

JVC

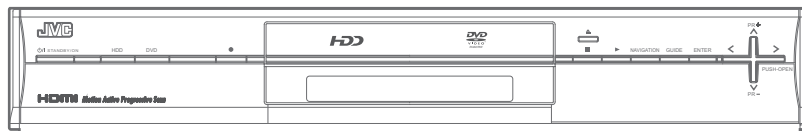
SERVICE MANUAL

HDD&DVD VIDEO RECORDER

DR-MH300BE, DR-MH300BEK, DR-MH300SE,DR-MH300SEF, DR-MH300SEK,DR-MH300SER, DR-ED400SE



Area Suffix	
E	----- Continental Europe Northern Europe
EF	----- France
EK	----- U.K.
ER	----- Russian Federation



DR-MH300BE, DR-MH300BEK, DR-MH300SE, DR-MH300SEF,
DR-MH300SEK, DR-MH300SER, DR-ED400SE [D5HR10]

Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

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SPECIFICATION

	DR-MH300SER	DR-MH300BE,DR-MH300SE,DR-ED400SE	DR-MH300SEF	DR-MH300BEK,DR-MH300SEK
GENERAL				
Power requirement	AC 220 V - 240 V~, 50 Hz/60 Hz			
Power consumption	Power on : 36 W Power off : 6.4 W			
Temperature	Operating : 5°C to 35°C Storage : -20°C to 60°C			
Operating position	Horizontal only			
Dimensions (W × H × D)	435 mm × 70 mm × 300 mm			
Weight	4.6 kg			
VIDEO/AUDIO (DVD Deck)				
Recordable disc	DVD-RAM 12 cm (4.7 GB/9.4 GB*1),DVD-RAM 8 cm (1.4 GB/2.8 GB*2),DVD-R 12 cm (4.7 GB),DVD-R 8 cm (1.4 GB),DVD-RW 12 cm (4.7 GB),DVD-RW 8 cm (1.4 GB) *1 9.4 GB double-sided discs *2 2.8 GB double-sided discs			
Recording format	DVD-RAM : DVD Video Recording format DVD-R : DVD Video format, DVD Video Recording format DVD-RW : DVD Video format, DVD Video Recording format			
Recording time	Maximum 8 hours (with 4.7 GB disc) (XP) : Approx. 1 hour, (SP) : Approx. 2 hours, (LP) : Approx. 4 hours, (EP) : Approx. 6 hours, (FR) : Approx. 1 hour - 8 hours			
Audio recording system	Dolby Digital (2 ch) Linear PCM (XP mode only)			
Video recording compression system	MPEG2 (CBR/VBR)			
VIDEO/AUDIO (HDD Deck)				
Capacity	160 GB			
Recording time	(DV) : Approx. 11 hours,(XP) : Approx. 34 hours,(SP) : Approx. 69 hours,(LP) : Approx. 138 hours, (EP) : Approx. 209 hours,(FR480) : Approx. 300 hours			
Audio recording system	Dolby Digital (2 ch) Linear PCM (XP mode only)			
Video recording compression system	MPEG2 (VBR)			
Input/Output				
21-pin SCART connectors	IN/OUT X 1, IN/DECODER X 1			
S-video input	Y:1.0 Vp-p,75 ohms C : 0.3Vp-p, 75 ohms			
Video input	1.0 Vp-p, 75 ohms (pin jack)			
Audio input	2 Vrms (pin jack)			
i.Link	4-pin for DV Input/Output			
Component video output	Y : 1.0 Vp-p, 75 ohms PB/PR: 0.7 Vp-p, 75 ohms Corresponding to copy protection			
HDMI output	19-pin, Corresponding to HDCP Video : 576i/576p/1080i/720p Audio : 2 ch PCM/Bitstream			
Digital audio output	Coaxial Corresponding to Dolby Digital and DTS Digital Surround, Bit stream Selectable in digital audio output setting menu			
G-LINK	-	3.5 mm Jack		
TUNER/TIMER				
Tuning system	Frequency synthesised tuner			
Signal system	PAL/SECAM colour signal, 625 lines/50 fields			PAL colour signal,625 lines/50 fields
TV channel storage capacity	99 positions (+AUX position)			
Channel coverage (SECAM-L)	-	VHF(LOW):49 MHz-65 MHz(2-4) VHF(HIGH):104 MHz-300 MHz(5-10CATV) Hyper:300 MHz-470 MHz(CATV) UHF:470 MHz-862 MHz(21-69)	-	
Channel coverage(PAL)	VHF : 47 MHz - 89 MHz/ 104 MHz - 300 MHz/ 302 MHz - 470 MHz UHF : 470MHz - 862MHz	VHF(LOW):47 MHz-89 MHz (E2-E4,X,Y,Z) VHF(HIGH):104 MHz-300 MHz (E5-E12,S1-S20,M1-M10,U1-U10) Hyper:302 MHz-470 MHz(S21-S41) UHF:470 MHz-862 MHz(E21-E69)	VHF : 44.5MHz - 143MHz/ 143MHz - 470MHz/ UHF : 470MHz - 862MHz	
Memory backup time	Approx. 10 minutes.			

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SECTION 1

PRECAUTION

1.1 Safety Precautions

- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

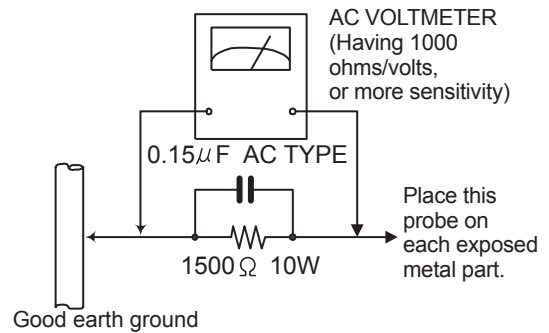
(5) Leakage shock hazard testing

After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 Ω per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC

voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

- (1) This equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.

Therefore, pay attention to such burrs in the case of pre-forming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (\blacksquare), diode (\blacktriangle) and ICP (\bullet) or identified by the " Δ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Important for laser products

1.CLASS 1 LASER PRODUCT

2.DANGER : Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

3.CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION : The CD,MD and DVD player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.



CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

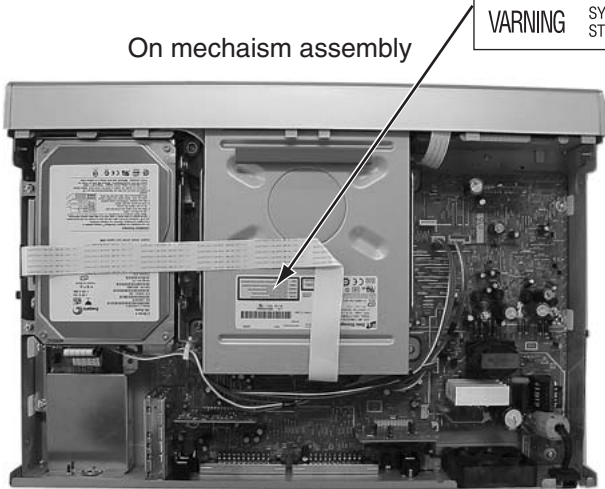
CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated.
AVOID DIRECT EXPOSURE TO BEAM.

ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.

VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi.

REPRODUCTION AND POSITION OF LABEL



CAUTION VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGA UDSAETTELSE FOR STRÅLING SE IKKE IND I STRÅLEN - HELLER IKKE MED OPTISKE INSTRUMENTER.

ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNDGA EKSPONERING FOR STRÅLEN STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.

VARO! AVATTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LÄPI.

VARNING SYNLIG OCH OSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD. STRÅLEN ÄR FARLIG STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT.

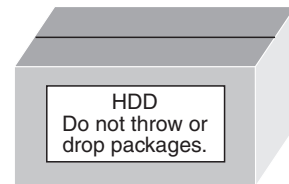
1.6 Hard Disk Drive (HDD) Handling Precautions

The HDD is a precision device for use in reading and writing a large amount of data on or from a disk rotating at a high speed. If it is not handled carefully, either abnormal operation may result or it may not be possible to read data. The HDD is sensitive to the following items and special care is required in safeguarding against them when handling an HDD. Also take care in handling a set incorporating an HDD.

- (1) Vibrations and impacts
- (2) Static electricity
- (3) Rough handling

1.6.1 Handling in transport, etc.

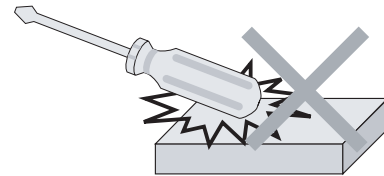
- Be sure to place the HDD in the manufacturer's specified package carton before transport.
- When receiving a package containing an HDD, check that the package carton is not damaged (such as having holes in the carton, crushed corners, etc.).
- Do not impact the packaging carton when loading or unloading it.
- It is not permitted to use the inner package carton only for transporting an HDD.
- Do not stack package cartons one upon another.



Be sure to package and transport the HDDs correctly.

1.6.2 Handling an HDD in the stand-alone status

- When handling an HDD on a hard workbench, place an anti-static mat (rubber sheet) or similar object on the hard surface (to prevent any impacts occurring between the HDD and bench).
- Do not stack the HDDs one upon another.
- Do not knock an HDD with a hard object (such as a screwdriver).
- Do not place an HDD on its side panel without using a support (do not place an HDD in an unstable position).



1.6.3 Handling the installation of an HDD

- Place antistatic mats or similar sheets on all of the surfaces on which work is conducted or when the HDD is transported.
- Do not permit the HDD to knock against the set's brackets.
- When screwing the brackets, be careful not to knock the HDD. When using a power screwdriver, use a low-shock model and arrange the tightening torque properly.
- When mounting an HDD in a main body, take care not to apply excessive force to the brackets.

SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body section

3.1.1 Remove the top cover (See figure 1)

- (1) Remove the four screws **A** attaching the top cover on both sides of the main body.
- (2) Remove the five screws **B** attaching the top cover on the back of the main body.
- (3) Raise the both sides and lower part of the rear of the top cover, with opening them slightly in an outward direction. And the top cover will be removed.

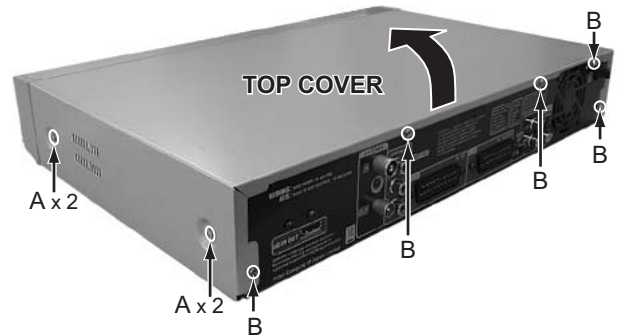
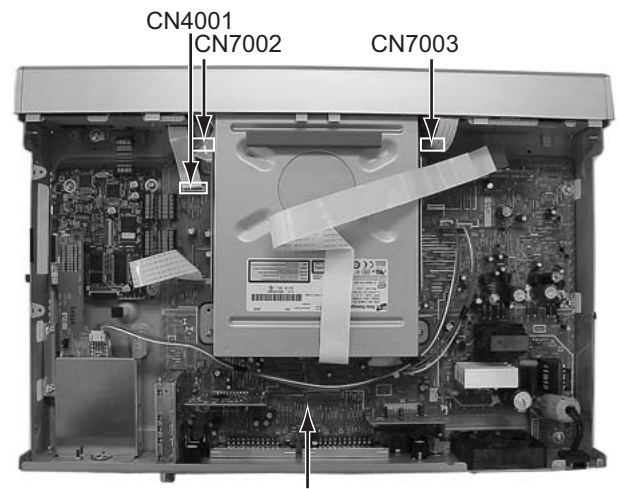


Fig.1

3.1.2 Remove the front panel assembly and HDD (See figure 2, figure 3, figure 4)

- Prior to performing the following procedure, remove the top cover.
 - There is no need to remove the drive unit.
- (1) Remove the four screws **C** attaching the HDD.
 - (2) Disconnect the card wire from connector [CN2201](#) on the digital board.
 - (3) Disconnect the socket wire from connector [CN5304](#) on the main board.
 - (4) Disconnect the card wire from connector on the HDD.
 - (5) Disconnect the card wire from connector [CN4001](#) on the main board.
 - (6) Disconnect the card wires from connector [CN7002](#), [CN7003](#) on the display board.
 - (7) Remove the two screws **D** attaching the front panel assembly.
 - (8) Hooks **a** and **b** are removed respectively, and the front panel assembly is removed.



Main board
Fig.3

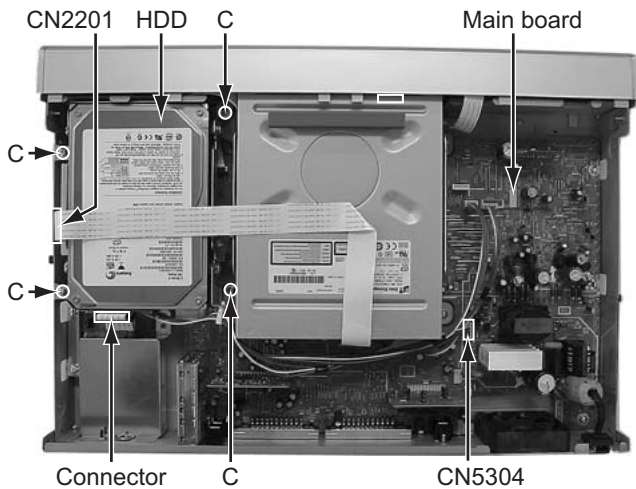


Fig.2

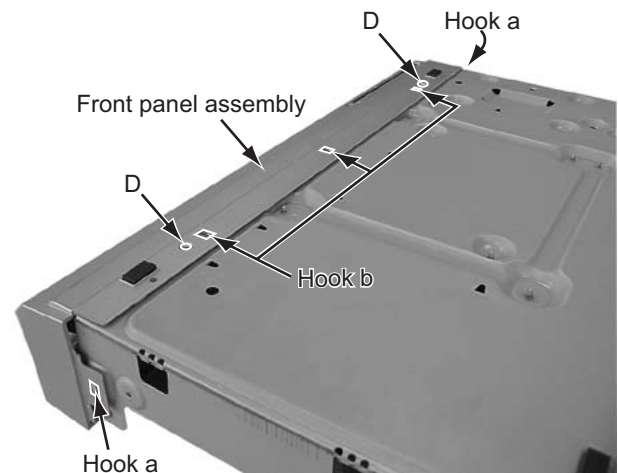


Fig.4

3.1.3 Remove the drive unit (See figure 5)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the front panel assembly.
 - (1) Disconnect the socket wire from connector [CN5301](#) on the main board.
 - (2) Disconnect the card wire from connector [CN2201](#) on the digital board.
 - (3) Remove the four screws **E** attaching the drive unit.

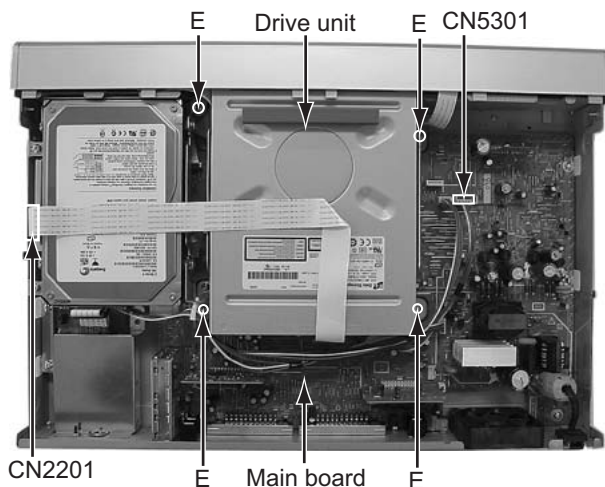


Fig.5

3.1.4 Remove the HDMI board and digital board (See figure 6, figure 7)

- Prior to performing the following procedure, remove the top cover and HDD.
- (1) Disconnect the socket wire from connector [CN2404](#) on the HDMI board.
- (2) Remove the three screws **F** attaching the HDMI board.
- (3) Remove the two screws **G** (**G1**, **G2**) attaching the HDMI board from rear side.
- (4) Disconnect the connector from [CN2401](#) on the HDMI board from digital board.
- (5) Disconnect the card wire from connector [CN1103](#) on the digital board.
- (6) Disconnect the socket wire from connector [CN1101](#), [CN1102](#), [CN1801](#) on the digital board.
- (7) Remove the four screws **H** attaching the digital board.

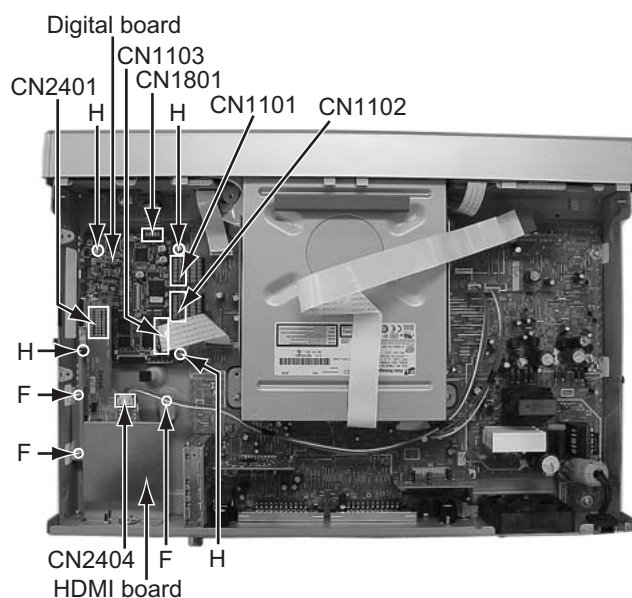
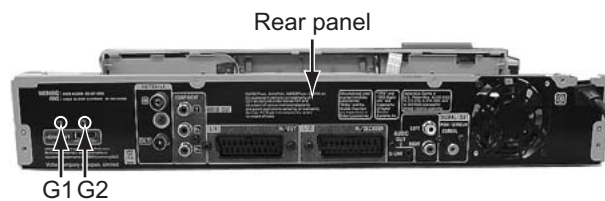


Fig.6



Torque

Please note tightening too much.

G1 --- 0.784 N-m +/- 0.078N-m (8.0 kgf-cm +/- 0.8 kgf-cm)
 G2 --- 0.25 N-m ~ 0.35N-m (2.6 kgf-cm ~ 3.6 kgf-cm)

Fig.7

3.1.5 Remove the main board (See figure 8, figure 9)

- Prior to performing the following procedure, remove the top cover, drive unit, HDD.
- (1) Disconnect the card wire from connector [CN4103](#), [CN4001](#) on the main board.
- (2) Disconnect the socket wire from connector [CN1101](#), [CN1102](#), [CN7001](#) on the digital board and display board.
- (3) Disconnect the socket wire from connector [CN3004](#), [CN5303](#) on the main board.
- (4) Disconnect the power cord from connector [CN5001](#) on the main board.
- (5) Remove the six screws **I** attaching the main board.
- (6) Remove the seven screws **J** attaching the rear panel with main board.
- (7) Remove the one screw **K** attaching the tuner.

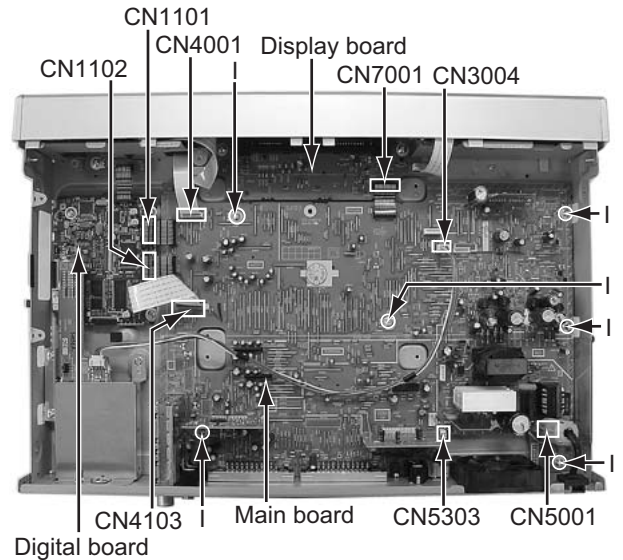


Fig.8

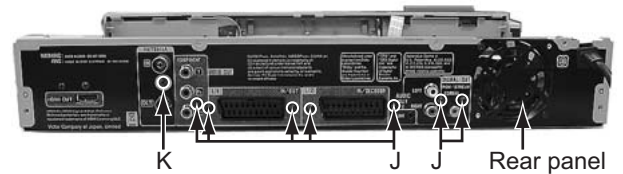


Fig.9

3.1.6 Remove the display board (See figure 10)

- Prior to performing the following procedure, remove the top cover, drive unit, HDD, front panel assembly.
- (1) Disconnect the socket wire from connector [CN7001](#) on the display board.
- (2) Remove the two screws **L** attaching the display board.

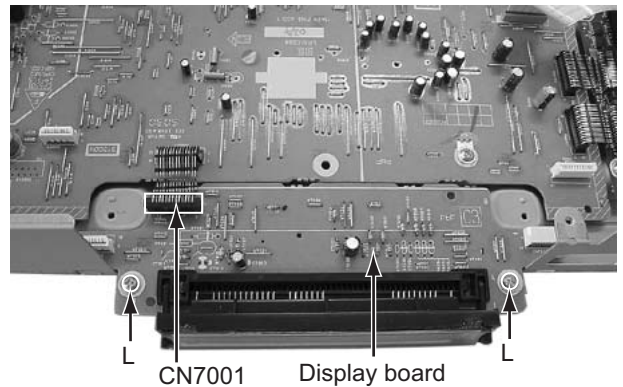


Fig.10

SECTION 4

ADJUSTMENT

4.1 Timer clock adjustment (for only ver.E,ER)

If an error comes to arise for a clock, the following procedure will adjust.

Signal	(A1)	No signal
Mode	(B)	EE
Equipment	(C)	Frequency counter
Measuring point	(D1) (D2) (D3)	IC3001 pin 29 IC3001 pin 83 C3021 + and -
Adjustment part	(F)	C3033 (TIMER CLOCK)
Specified value	(G1)	1024.008 \pm 0.001 Hz (976.5549 \pm 0.0010 usec)

- (1) Connect the frequency counter to the measuring point (D1).
- (2) Connect the short wire between the short point (D2) and Vcc (5V).
- (3) Short the leads of capacitor (D3) once in order to reset the microprocessor of the system controller.
- (4) Disconnect the short wire between the short point (D2) and Vcc then connect it again.
- (5) Adjust the Adjustment part (F) so that the output frequency becomes the specified value (G).


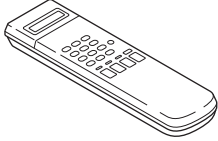
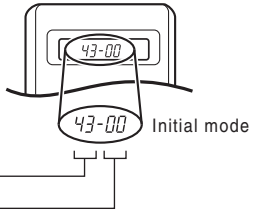
SECTION 5 TROUBLESHOOTING

5.1 JIG Mode

The following remote control units are required to set and cancel JIG mode.

For setting : a remote control unit attached to product.

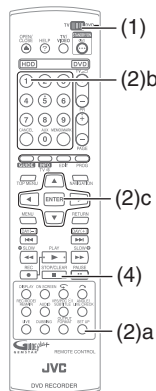
For cancellation : JIG remote control unit (part number : PTU94023B)

Remote control unit attached to product	JIG remote control unit
	 <p>JIG remote control unit [Data transmission] Set the data code, and then press the " " " [3] button.</p> <p>Custom code 43:A Code 53:B Code 6F:C Code 7F:D Code</p> <p>Data code</p>  <p>Initial mode</p>

When the main body is set to JIG mode and when the main body is under JIG mode, the remote control unit attached to product operates only in "Remote Control Code 1". Since main body is in "Remote Control Code 3" when it is shipped and just after its batteries are changed, "Remote Control Code 3" needs to be changed to "Remote Control Code 1."

< Changing Remote Control Code >

- (1) The switch of remote controller is switched to the DVD side.
- (2) Press the numeric button "1" of the remote control unit while pressing the "SET UP" button of the remote control unit. Then, press the "ENTER" button, and then release the "SET UP" button.
- (3) Press the "PLAY" button of the main body for five seconds or longer while the main body is in stand-by mode, and a current remote control code of the main body is displayed in FL indicator of the main body.
- (4) While keeping the state of (3), press the "STOP" button of the remote control unit toward the main body.
- (5) The code that was set by the remote control unit blinks for 5 seconds, before the code is set to the main body. When the FL indicator changes to "DVD 1", it shows that the Remote Control Code has been changed to "1".



"(2) a-c" shows the order of pressing the buttons.



5.1.1 Setting JIG mode

To display SYSTEM INFO or to update firmware, the main body needs to be set to JIG mode.

- (1) Turn the main body ON.
- (2) Press the buttons of the remote control unit attached to product in the following order : "SET UP" → "2" → "8" → "ENTER"
- (3) When a colon ":" between "hour" and "minute" of a clock in FL indicator blink, it means that the main body has been set to JIG mode properly.

[Example]

Not in JIG mode

15 : 07



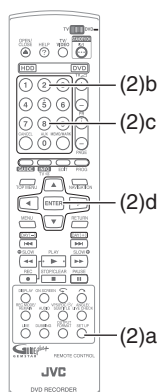
In JIG mode

15 : 07

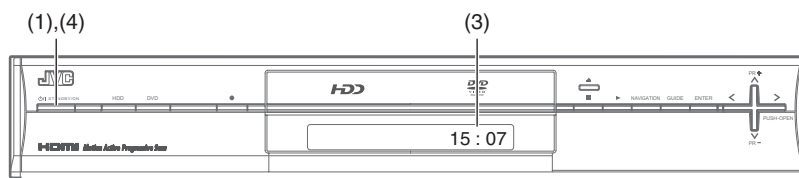
A colon blinks.

- (4) Turn the main body OFF, and then turn it ON again.

*Once the main body is set to JIG mode, the JIG mode cannot be cancelled even if the power cord is pulled out from the wall socket.



"(2) a-d" shows the order of pressing the buttons.



5.1.2 Canceling JIG mode

- (1) Transmit "43-9D" to the main body by using JIG remote control unit. (Please end a setting menu pushing "SET UP" button of the remote control unit appended to the commodity beforehand when a setting menu is displayed.)
- (2) A colon ":" between "hour" and "minute" of a clock in FL indicator light.
- (3) Turn the main body OFF, and then turn it ON again.

NOTE:

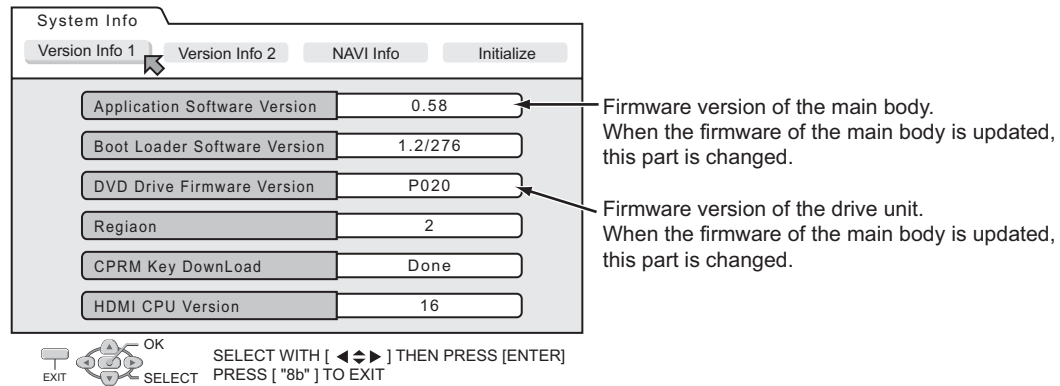
After repair work, be sure to cancel JIG mode. Before returning product to a user, confirm that a colon ":" between "hour" and "minute" of a clock in FL indicator light.

5.2 Displaying SYSTEM INFO

In the SYSTEM INFO there is information including Firmware Versions of the main body and the drive unit.

- (1) Set the main body to JIG mode.
- (2) Transmit "43-8B" to the main body by using JIG remote control unit. (Please end a setting menu pushing "SET UP" button of the remote control unit appended to the commodity beforehand when a setting menu is displayed.)
- (3) SYSTEM INFO menu is displayed in the television screen.
- (4) To move cursor in SYSTEM INFO, use the "▲", "▼", "◀", and "▶" buttons of a main body or remote control unit attached to product.

The example of a display < Version Info 1 >



NOTE :

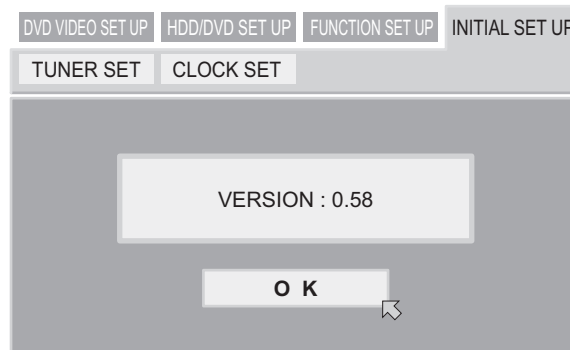
Items other than the ones described above are not used in service work.

- (5) To quit the SYSTEM INFO menu, transmit "43-8B" to the main body by using JIG remote control unit.
- (6) Cancel JIG mode.

5.2.1 Displaying the firmware version of the main body in the user mode

The version information of the main body firmware can be displayed in the normal mode (user mode) without using the Jig mode. The version can be checked by the user operation when it is required to check the version when there are failure inquiries from the users.

- (1) Turn the power of the main body ON.
- (2) Press the "SET UP" button of the supplied remote control unit to display the setting menu screen.
- (3) Move the arrow to the "INITIAL SET UP" tab, keep pressing the "STOP" button of the main body for 10 seconds in that condition.
- (4) The screen changes to the display shown in the below diagram, and the firmware version of the main body is indicated.



5.3 Updating the firmware of the main body

- Firmware update disc supports CD-R media.
- When firmware update is necessary, information is available from the website of DIGITAL VIDEO STORAGE CATEGORY, CS group.

5.3.1 Creating an update disc

Please check the details of the update disc creation method with JS-NET.

- (1) Download the update file from JS-NET.
 - (2) Write the update file into CD-R. Pay attention in the following points when writing the update disc.
- Make sure to write in "Disc at Once".
 - Set the file compatibility to "ISO9660 format". (ROMEO, JOLIET are disapproved.)
- If the writing method is not correct, the update results in an error.

5.3.2 Update procedure

- There are two methods of updating firmware, using JIG mode <method 1> or not using JIG mode (User update mode) <method 2>. Both methods can be used to update the firmware.

<Method 1>

- (1) Set to the JIG mode.
- (2) Switch the main body to "DVD", load the update disc on the tray, and then close the tray.
- (3) When the disc reading operation is completed, transmit "43-70" with the JIG remote control unit.
If the update disc is not correct, FL indicator displays "ERROR" after transmitting "43-70". Transmit "43-70" once and make the FL indicator to normal display, and then reload the disc then transmit "43-70" again.
- (4) "UPDATE" is displayed in the FL indicator, and the FL indicator changes to "FW UPDATE" afterwards. It takes approx. 2 minutes for the change.
- (5) Remove the disc as the tray is ejected, and then transmit "43-70" with the JIG remote control unit. Then the FL indicator changes from "UPDATE" to the normal display.
- (6) Close the tray and turn the power of the main body OFF. Pull out the power cord from the wall socket, and then plug the power cord into the wall socket again.
- (7) "PLEASE" and "WAIT" blink alternately and it is displayed in FL indicator. Then, turn the main body ON.
- (8) Check the version of the firmware.
- (9) Cancel the JIG mode.

<Method 2>

- (1) Turn the power ON. Load the update disc on the tray and close the tray.
- (2) Switch the main body to "DVD".
- (3) When the disc reading operation is completed, check "CD" or "DVD-RAM" display in the FL indicator.
- (4) When keep pressing the "STOP" button for 5 seconds, "UPDATE" is displayed in the FL indicator and the update is started.
- (5) In approx. 2 minutes the tray is ejected, remove the disc. The tray is automatically closed.
- (6) Reset operation is carried out automatically, and it becomes standby status.
- (7) Check the version of the firmware.

5.4 Updating the firmware of the drive unit

- Firmware update disc supports only DVD-RAM media.
- When firmware update is necessary, written discs are distributed by DIGITAL VIDEO STORAGE CATEGORY, CS group.
 - (1) Turn the main body ON, and switch the main body to "DVD".
 - (2) Load the update DVD-RAM disc on the tray and close the tray.
 - (3) "READING" is displayed in the FL indicator and the update is started.
 - (4) In a short while "READING" in the FL indicator disappears, open the tray to remove the disc and close the tray.
 - (5) Turn the power OFF and pull out the power cord from the wall socket, then plug the power cord into the wall socket again.
 - (6) Set to the JIG mode and check the firmware version of the drive.

5.5 Taking out a disc

<Method 1 >

There is a forced tray eject mode with electrical operation.

- (1) Right after plugging in the power cord (while "PLEASE" and "WAIT" blink alternately and it is displayed), keep pressing the OPEN/CLOSE button of the main body.
- (2) Remove the disc as the tray is ejected in a short while.
- (3) The tray closes automatically at about five seconds.

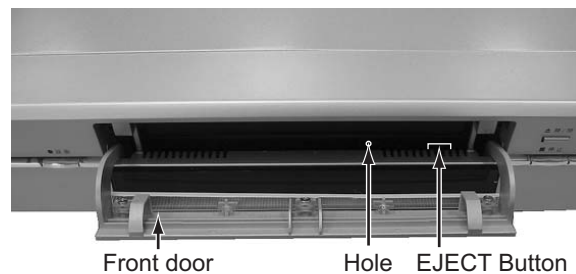
<Method 2 >

When the disc cannot be removed by operating above <Method 1 >, open the front door of the main body manually and directly press the EJECT button located in the lower right of the drive unit.

<Method 3 >

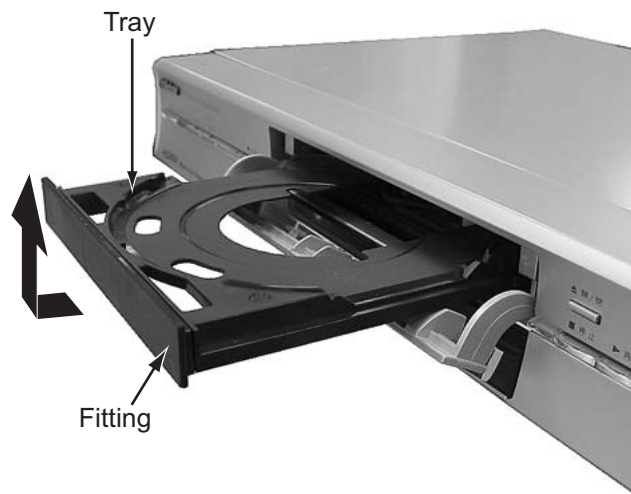
When neither <Method 1> nor <Method 2> can remove the disc, the tray can be ejected mechanically without turning the power on.

- (1) Open the front door of the main body manually.
- (2) Insert a fine wire (e.g. a straightened paper clip) into the hole in the lower part of the tray of the drive unit.
- (3) As the tray ejects a little, pull out the tray manually.



5.6 Exchanging the fitting

As the fitting that comes with the service drive unit cannot be used, make sure to attach a service fitting when the drive unit is exchanged. The fitting that is removed from the old drive unit can be attached to the new drive unit. The fitting can be removed by pulling upwards while opening out the lower part of the fitting outwards.



5.7 Initialization to the factory shipment state

When the initialization is operated, internal information changes as follows. It is essential to obtain the client's permission before the operation.

- All DVD library is all deleted.
- All the DVD initial settings go back to the initial status.
 - (1) Set to the JIG mode.
 - (2) Transmit "43-6F" with the JIG remote control unit.
 - (3) FL indicator displays "FACTORY", and changes to "CHECK OK" after blinking for a short while.
 - (4) Pull out the power code from the wall socket.
 - (5) The JIG mode is forced to cancel at the same time with the initialization, check whether the JIG mode is canceled by plugging the power code into the wall socket again. (The colon ":" in time display should be continuously ON, not blinking.)
If the JIG mode is not canceled, transmit "43-9D" with JIG remote control unit to cancel the JIG mode.

5.8 Setting after the drive unit replacement

When the drive unit is replaced, it is necessary to set a region code. Service drive units for replacement are not set for any region code, and they are in an indefinite condition.

Make sure to set region code after attaching the drive unit to the main body.

Without the setting of the region code, discs that have regions cannot be played back.

5.8.1 Creating a region setting disc.

Please check the details of the region setting disc creation method by JS-NET.

- (1) Download the region setting file from JS-NET.
- (2) Write the region setting file into CD-R. Pay attention in the following points when writing the file into CD-R.
 - Make sure to write in "Disc at Once".
 - Set the file compatibility to "ISO9660 format". (ROMEO, JOLIET are disapproved).If the writing method is not correct, the normal setting cannot be performed.

5.8.2 Setting the region

- (1) Set for the JIG mode, and switch the main body to "DVD".
- (2) Load the region setting disc on the tray, and then close the tray.
- (3) When the disc reading operation is completed, transmit "43-70" with the JIG remote control unit.
- (4) FL indicator changes to "UPDATE". Remove the disc as the tray will open for a few seconds.
- (5) Then, check whether the FL indicator is "REGION 2", and then close the tray.
- (6) Turn the power OFF, and pull out the power code, and then plug the power code in again.
- (7) Cancel the JIG mode.

5.9 When it is displayed in FDP, "RESETTING"

When the following operations are carried out, "RESETTING" is displayed in the FDP of the main body.

- (1) When the "POWER" button and the "STOP" button of the main body are pressed at the same time
- (2) When the code "9B" is transmitted to the main body by using JIG remote control unit in JIG mode.
- (3) When transmission failure occurs between the main CPU and the DVD host CPU due to defect.
If "RESETTING" is displayed in the FDP after the power code is plugged into the outlet, check the followings.
 - The peripheral circuitry of each microcomputer
 - Whether the wire between the DVD drive and the board is properly connected
 - Whether the wire between the main board and the digital board is properly connected



Victor Company of Japan, Limited
DIGITAL VIDEO STORAGE CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YD089)



Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

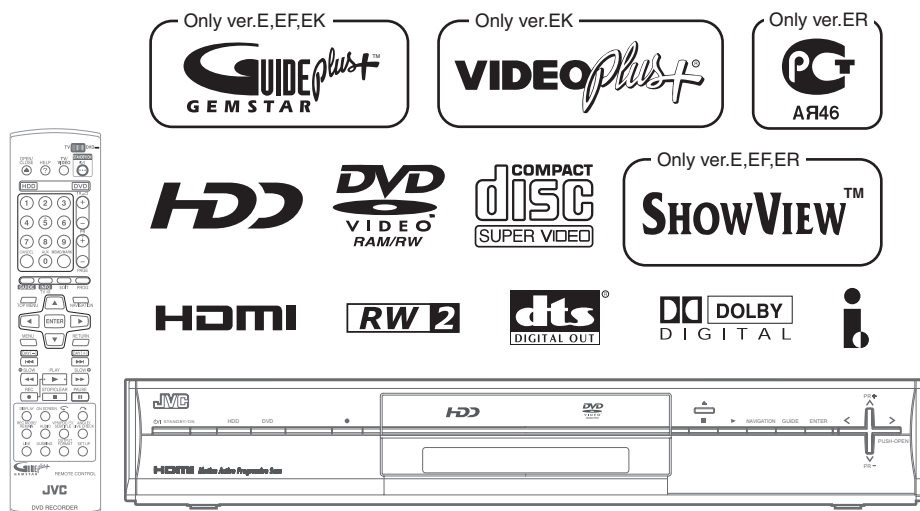
HDD & DVD VIDEO RECORDER

**DR-MH300BE, DR-MH300BEK,
DR-MH300SE, DR-MH300SEF,
DR-MH300SEK, DR-MH300SER,
DR-ED400SE**

CD-ROM No.SML200512

Area Suffix

E ----- Continental Europe
Northern Europe
EF ----- France
EK ----- U.K.
ER ---- Russian Federation




DR-MH300BE, DR-MH300BEK, DR-MH300SE, DR-MH300SEF,
DR-MH300SEK, DR-MH300SER, DR-ED400SE [D5HR10]

Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components identified by the symbol  are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

- 1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
Chip resistors are 1/16 W.
K: K Ω (1000 Ω), M: M Ω (1000K Ω)
- 2) All capacitance values are in μ F, (P: PF).
- 3) All inductance values are in μ H, (m: mH).
- 4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

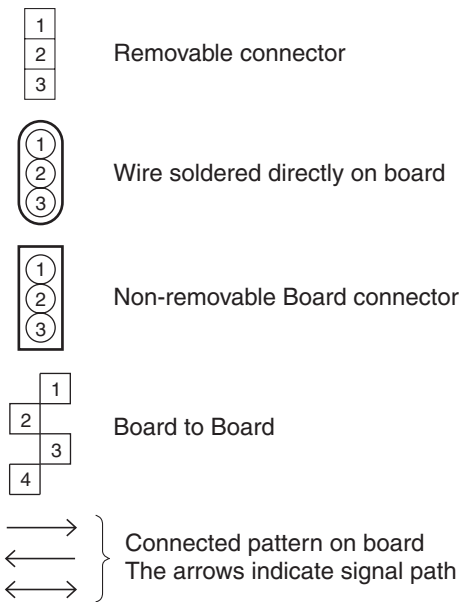
Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only.
When replacing the parts, refer to the Parts List.

2. Indications of control voltage

AUX : Active at high.

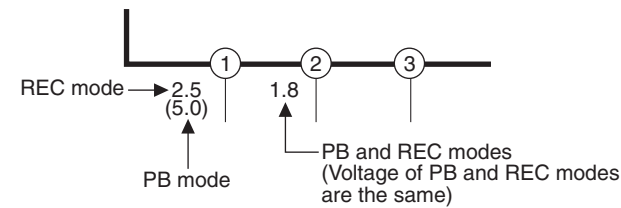
$\overline{\text{AUX}}$ or AUX(L) : Active at low.

3. Interpreting Connector indications



4. Voltage measurement

- 1) Regulator (DC/DC CONV) circuits
REC : Colour bar signal.
PB : Alignment tape (Colour bar).
— : Unmeasurable or unnecessary to measure.
- 2) Indication on schematic diagram
Voltage indications for REC and PB mode on the schematic diagram are as shown below.



Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

“OPEN” is indicated by the parts not mounted on the circuit board.



CIRCUIT BOARD NOTES

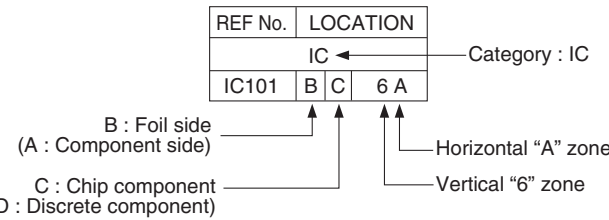
1. Foil and Component sides

- 1) Foil side (B side) :
Parts on the foil side seen from foil face (pattern face) are indicated.
- 2) Component side (A side) :
Parts on the component side seen from component face (parts face) indicated.

Parts location are indicated by guide scale on the circuit board.

2. Parts location guides

Parts location are indicated by guide scale on the circuit board.



5

4

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1



A

2-3 D

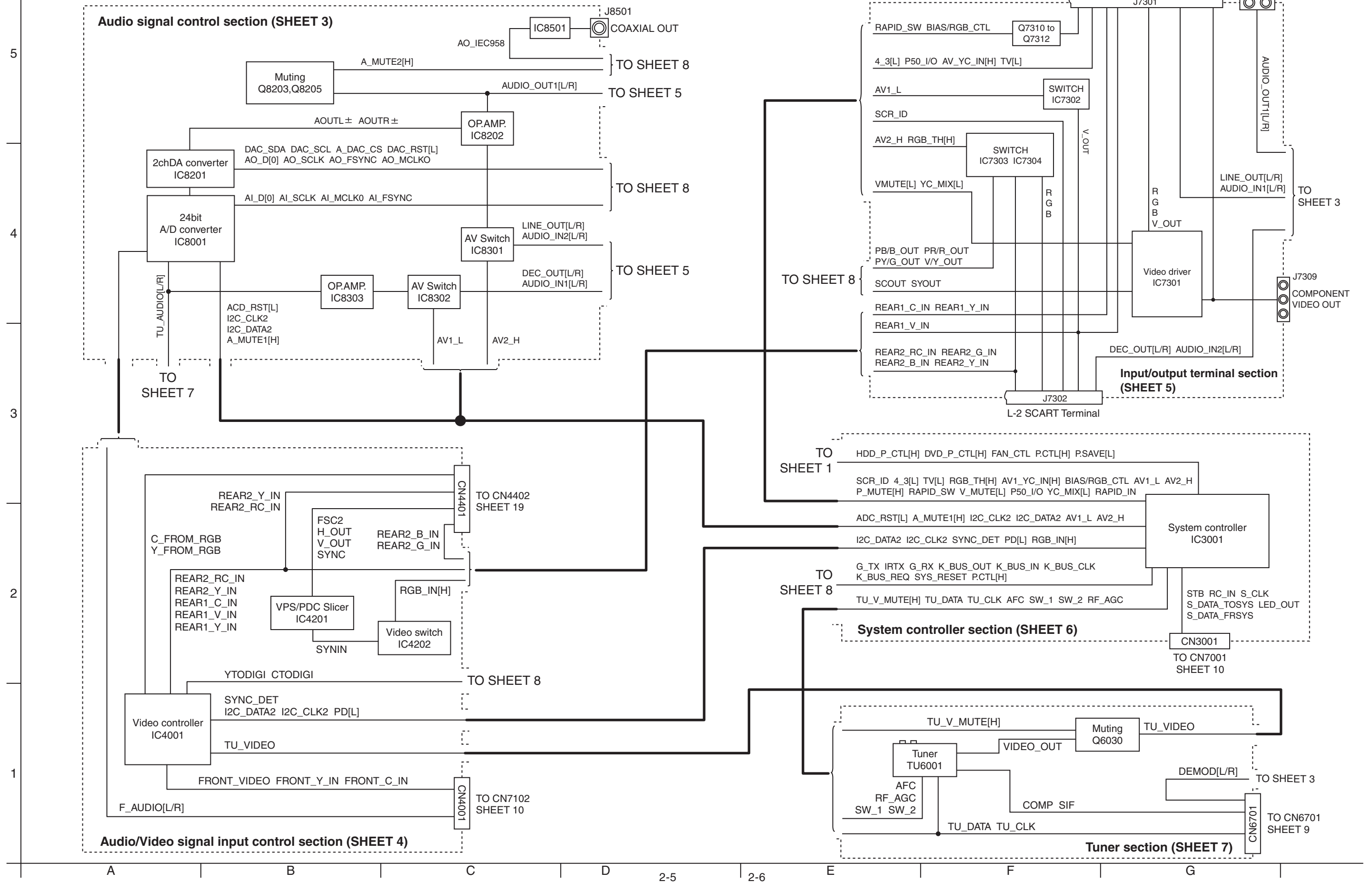
2-4

E

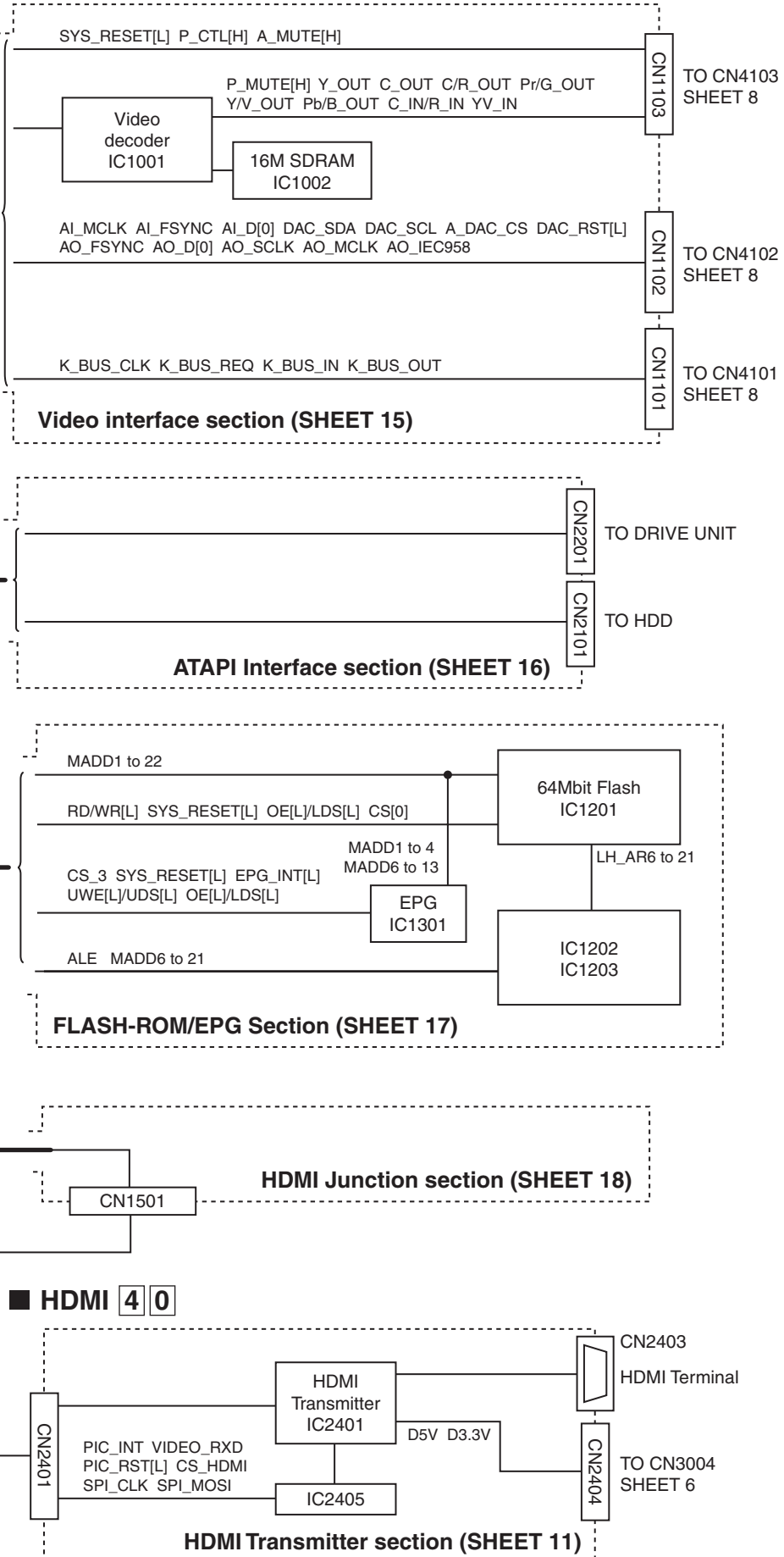
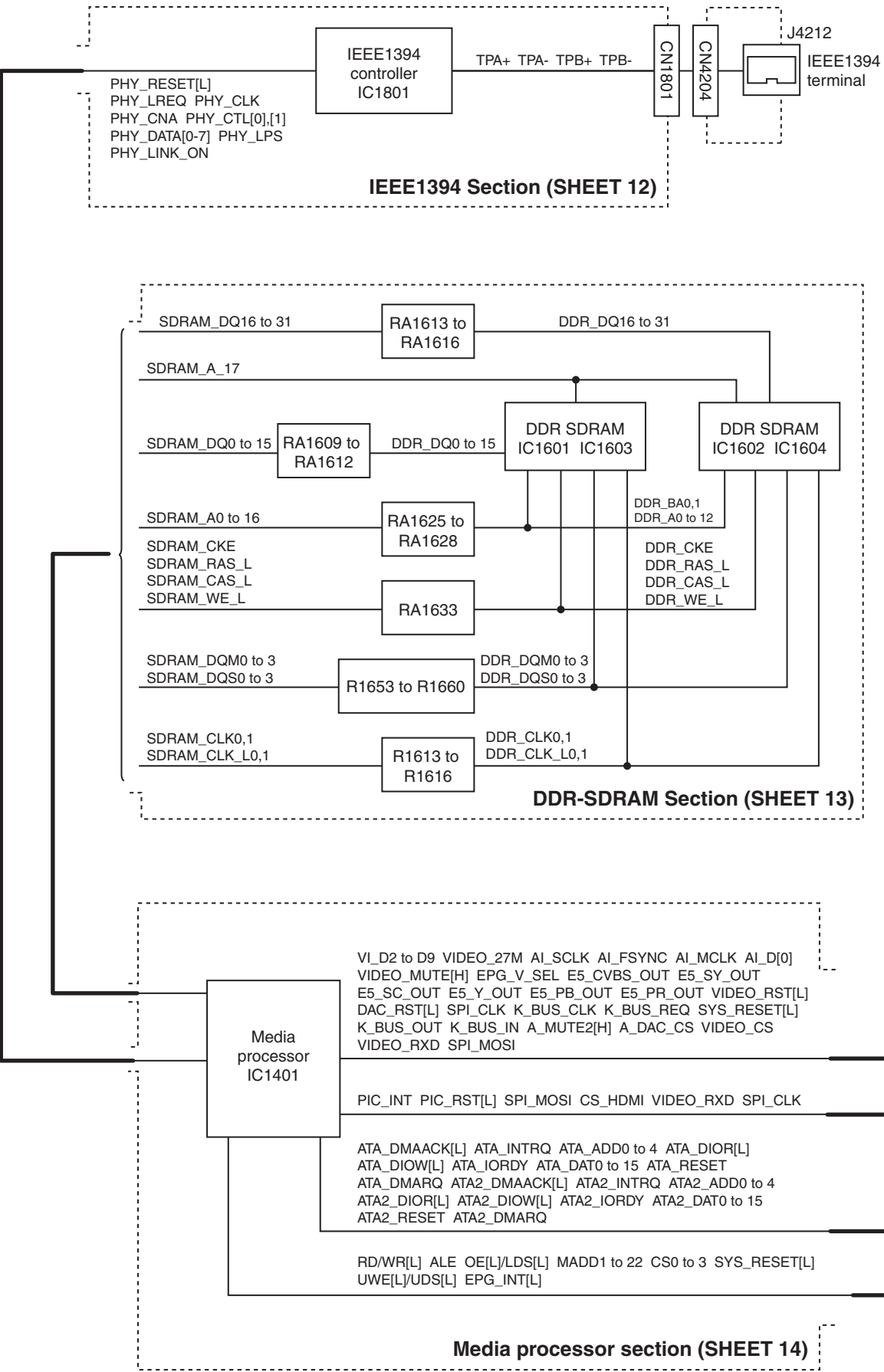
F

G

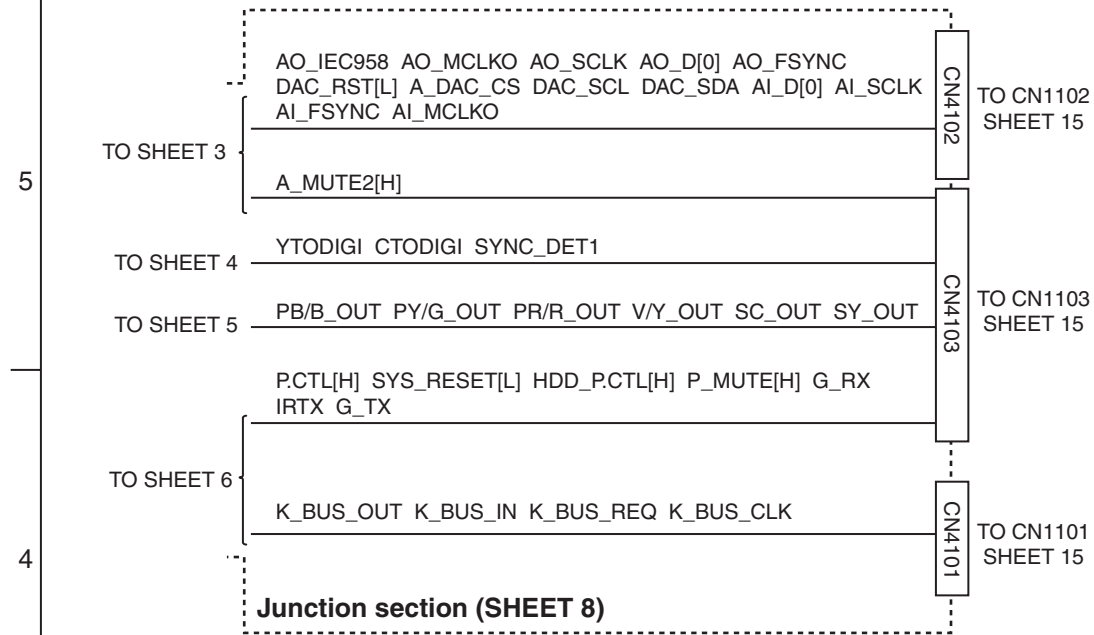
■ MAIN 03



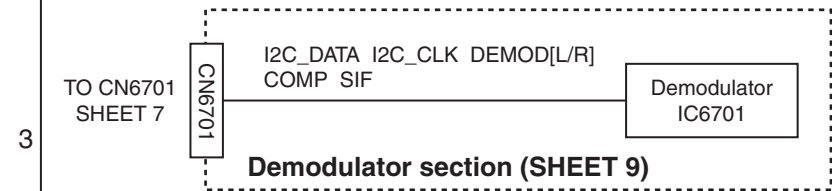
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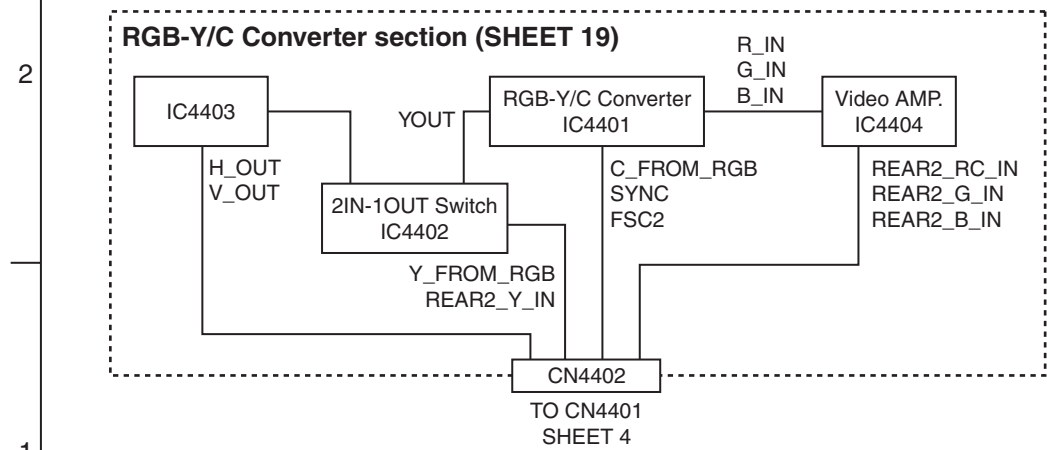
MAIN 03



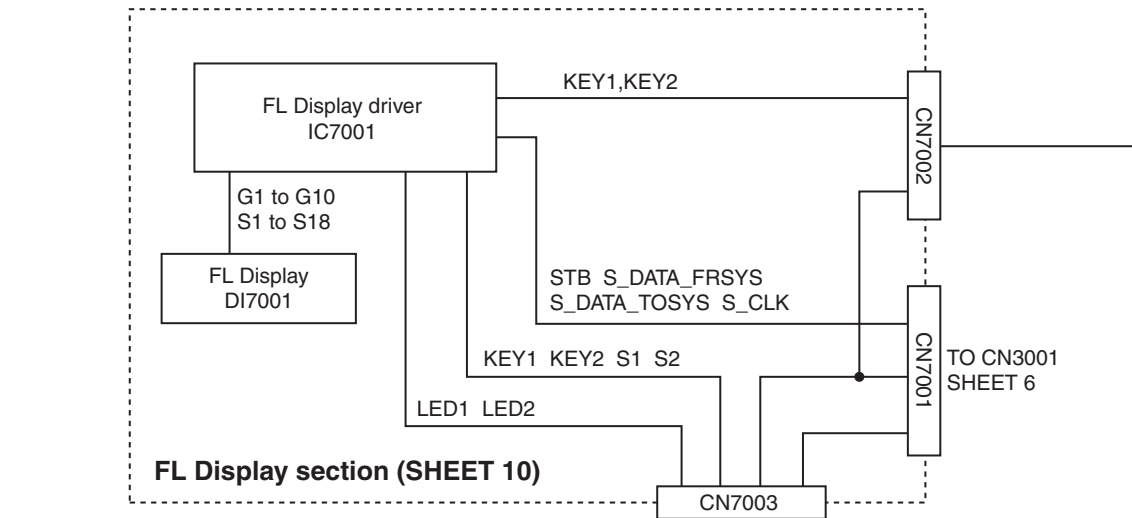
DEMOD 14



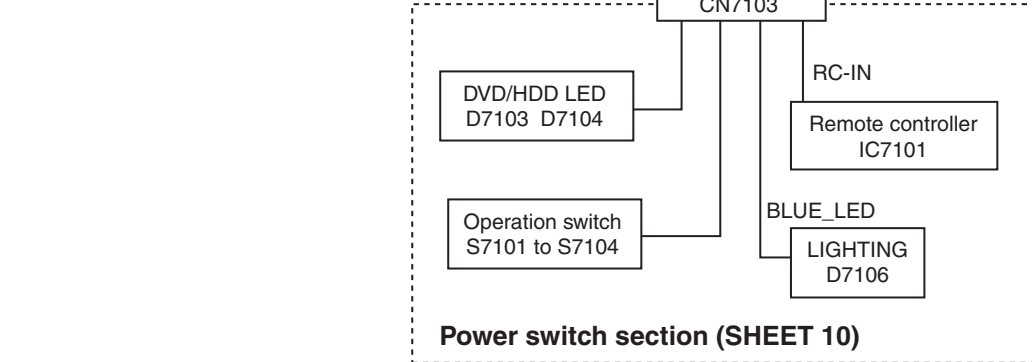
RGB_YC 68



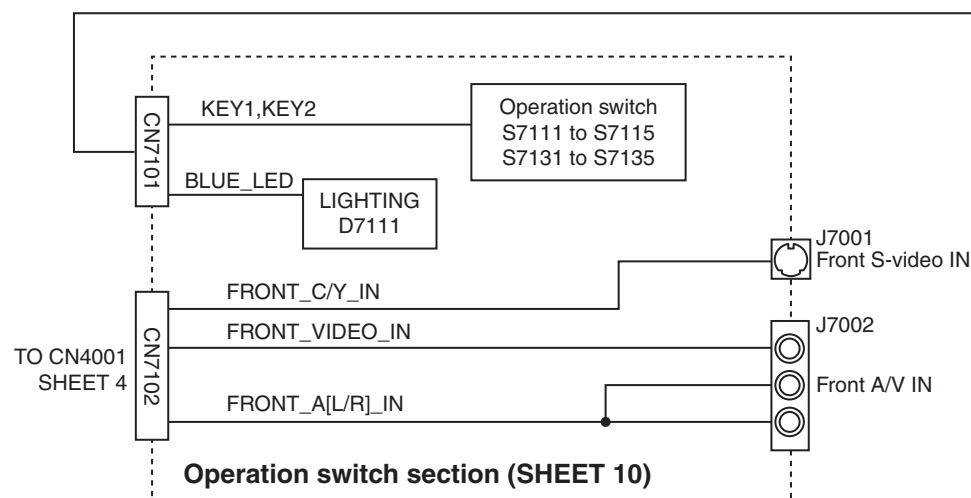
DISPLAY 28



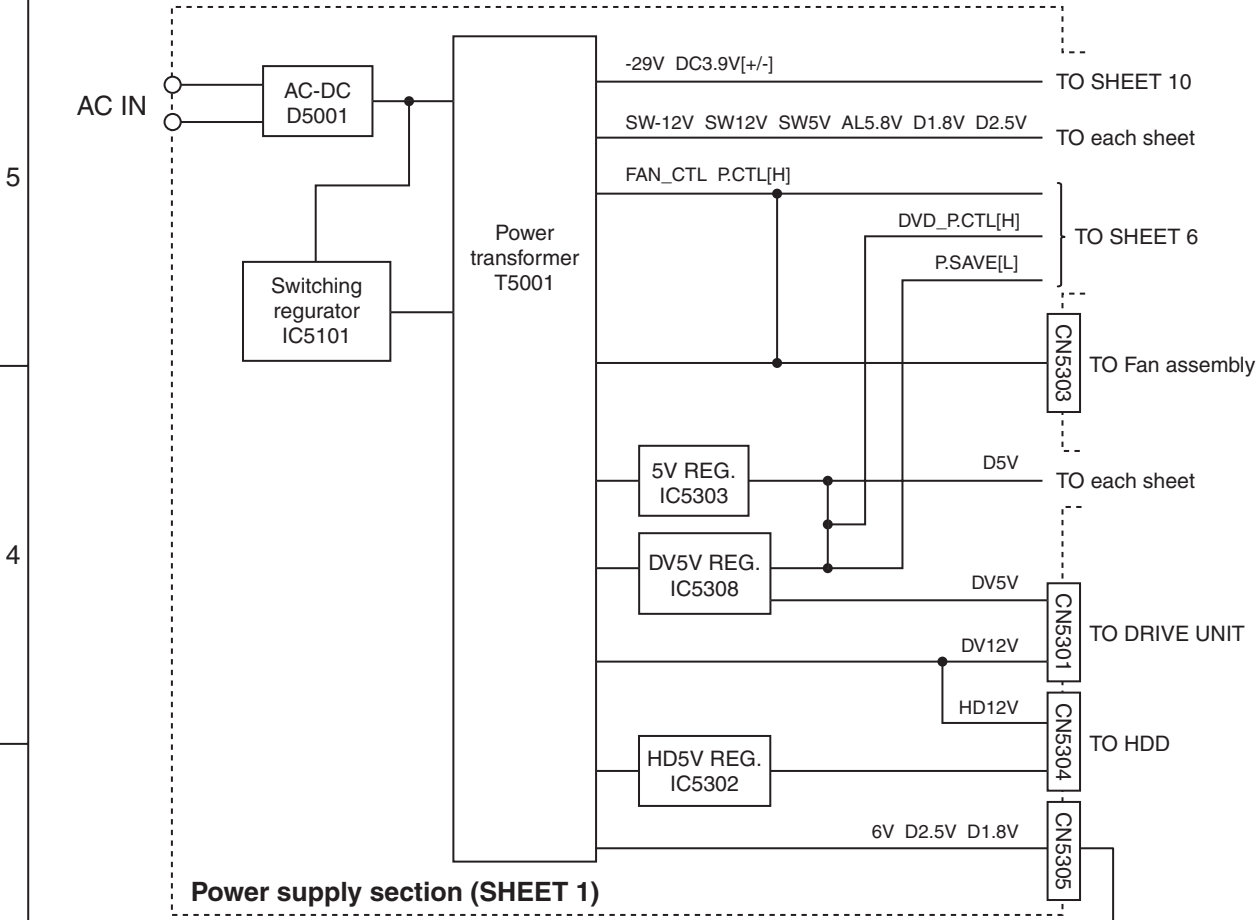
OPERATION 26



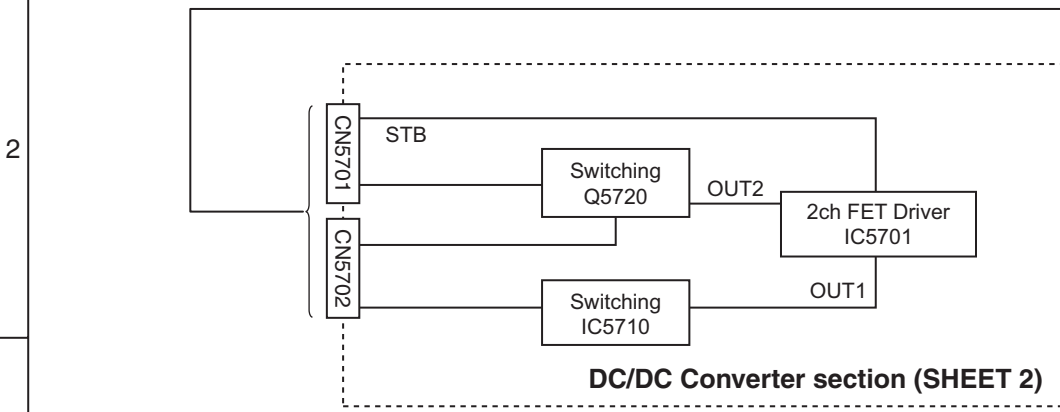
SW/JACK 27



■ MAIN 0 3

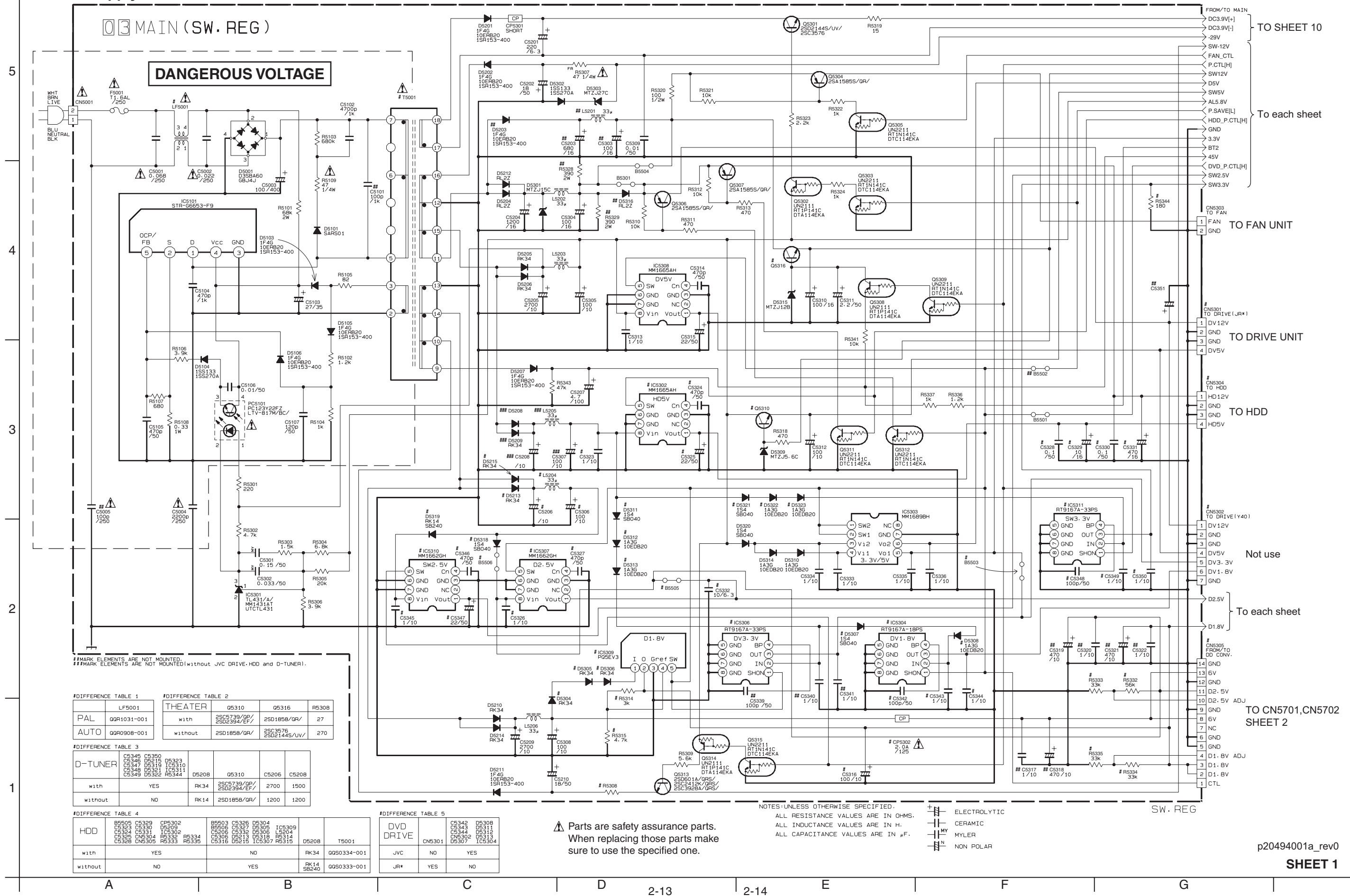


■ DC/DC CONV 0 2



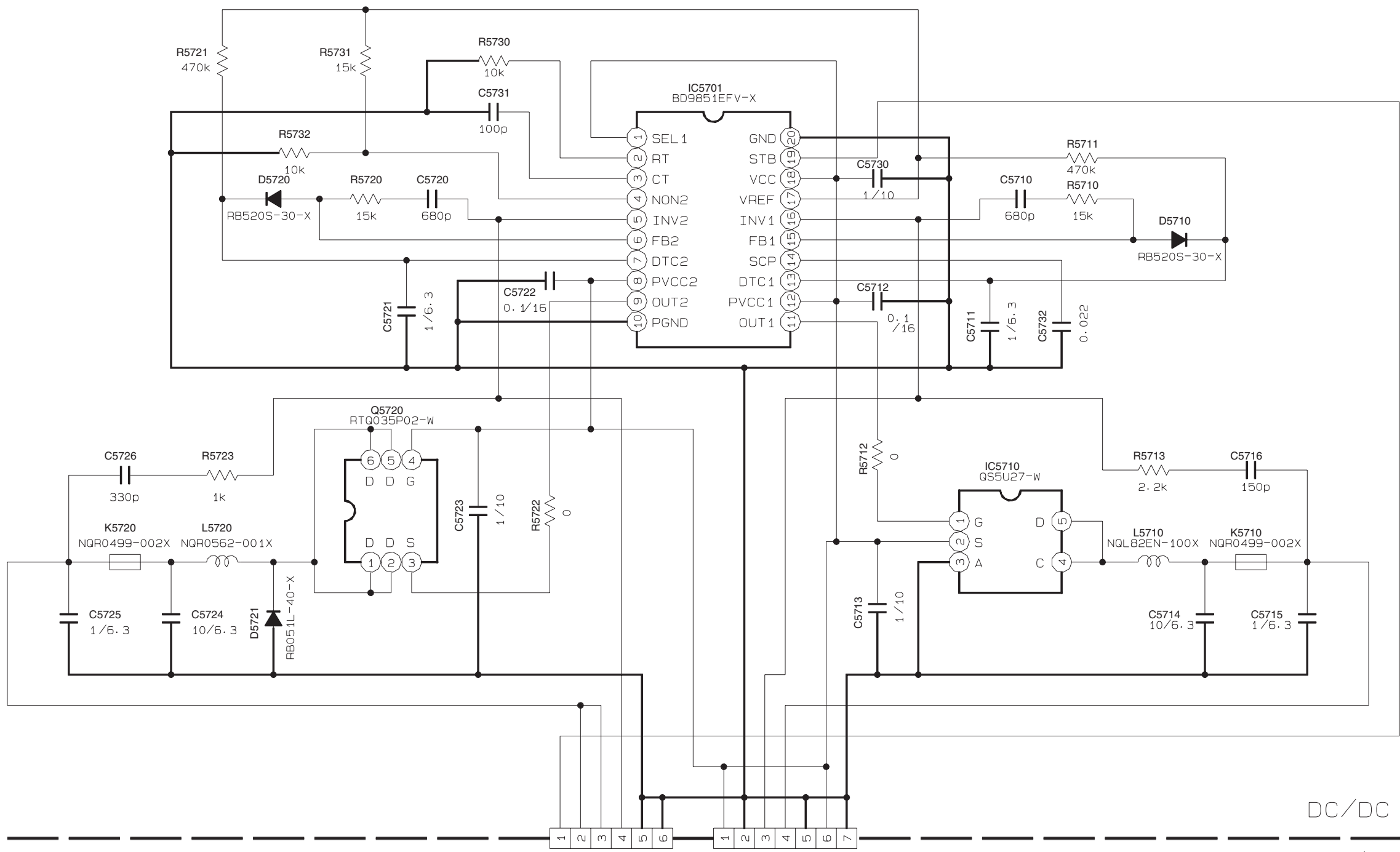
Standard schematic diagrams

Power supply section



■ DC/DC Converter section

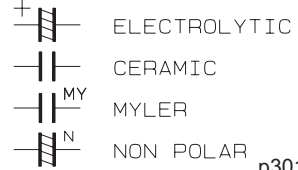
02 DC/DC CONV



DC/DC CONV



NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μ F.



p30133001a_rev0

TO SHEET 6



■ Audio/Video signal input control section

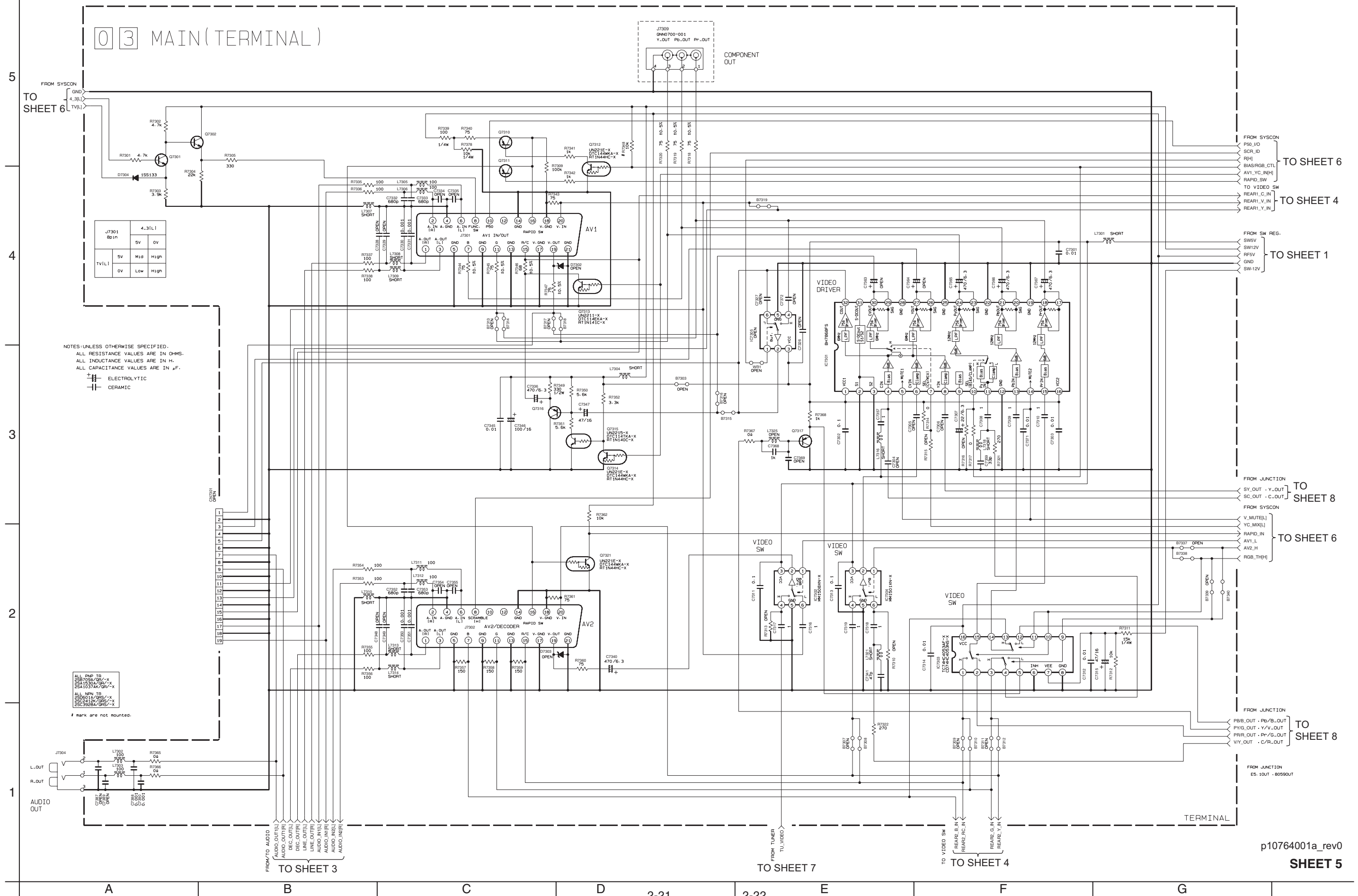
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TO SHEET 1
TO SHEET 6
TO SHEET 8
TO SHEET 7
TO SHEET 3
TO CN7102 SHEET 10

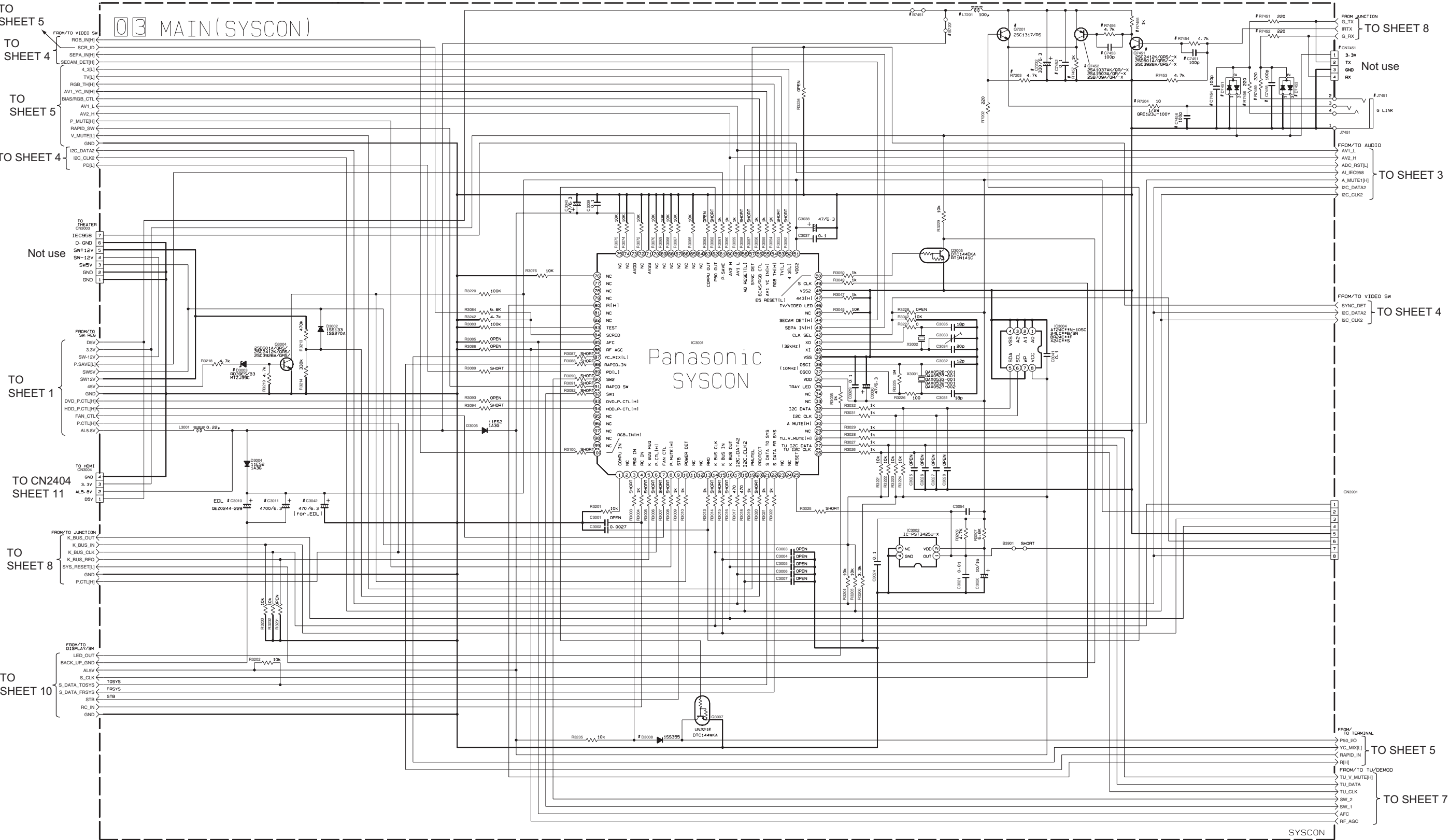
BH7623 Ch Select			
Ch	Source	V	V/C
1	FRONT	0	0
2	RGB-Y/C	x	0
3	AV2	0	0
4	AV1	0	0
5	TUNER	0 (Analog)	0 (Digital)

# DIFFERENCE TABLE		
	SECAM DET	
	IC4301-IC4304 Q4302-Q4303 R4304-R4311 R4313 R4317-R4319 C4301-C4302 C4304-C4310 C4318-C4319 L4301-Q4301	R4314
OTHER MODELS	×	○
EF MODEL ONLY	○	×

■ Input/output terminal section



System controller section



#DIFFERENCE TABLE		
	C-BOX	G-LINK
J7451-L7201-R7204-C7202 C7452-C7456	○	○
R7202-R7203-Q7201-B7201	○	×
R7451-R7452-R7453-R7454 R7455-R7456-R7457-R7458 R7459-Q7451-Q7452-B7451 C7451-C7453-C7454-C7455 CN7451-Q7451-Q7452	×	○

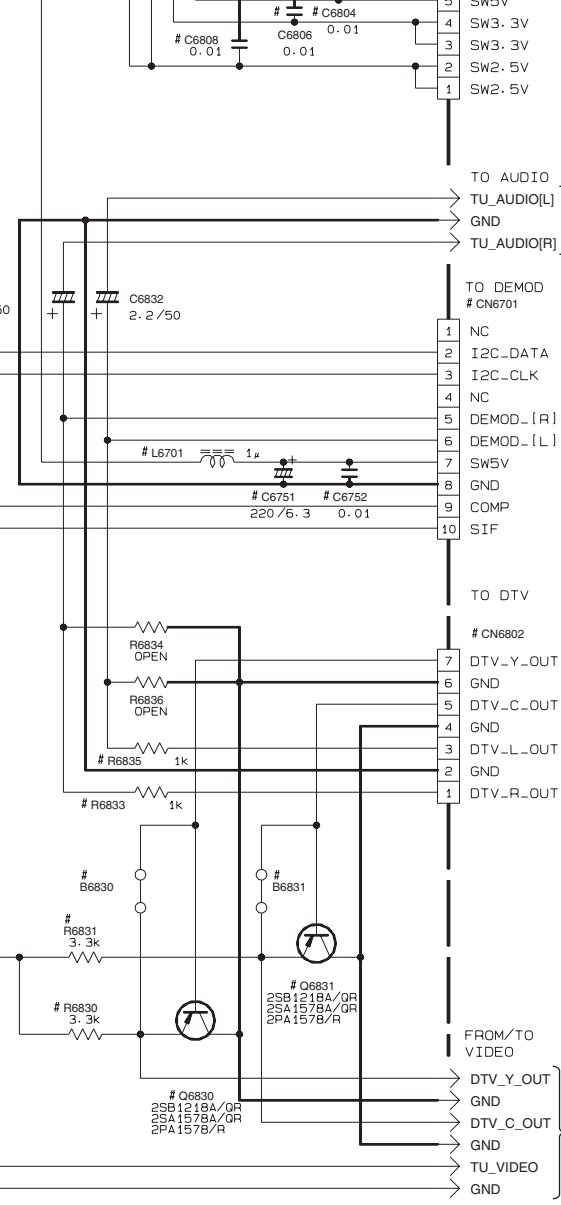
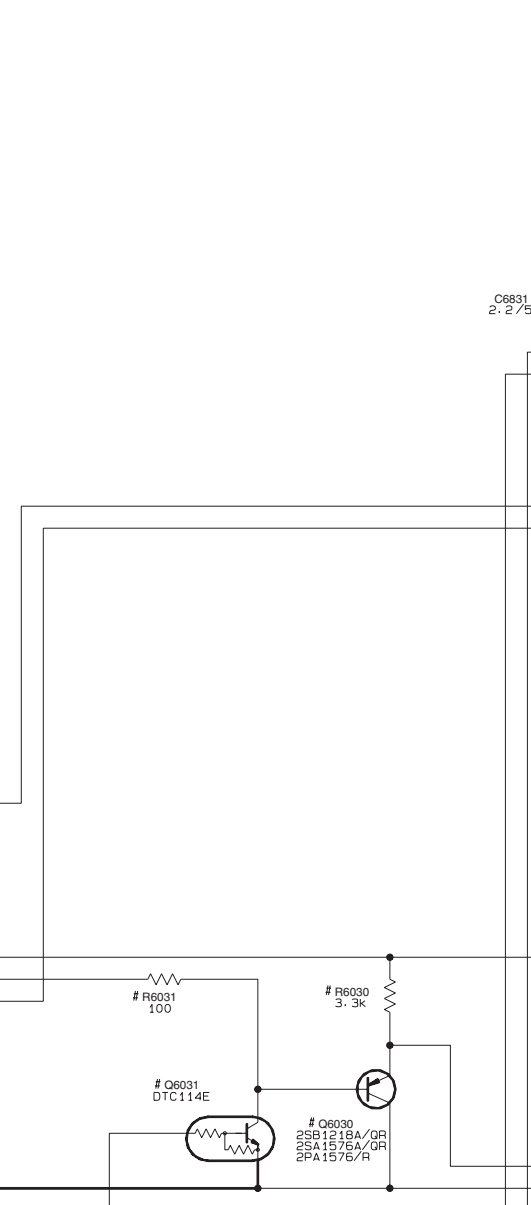
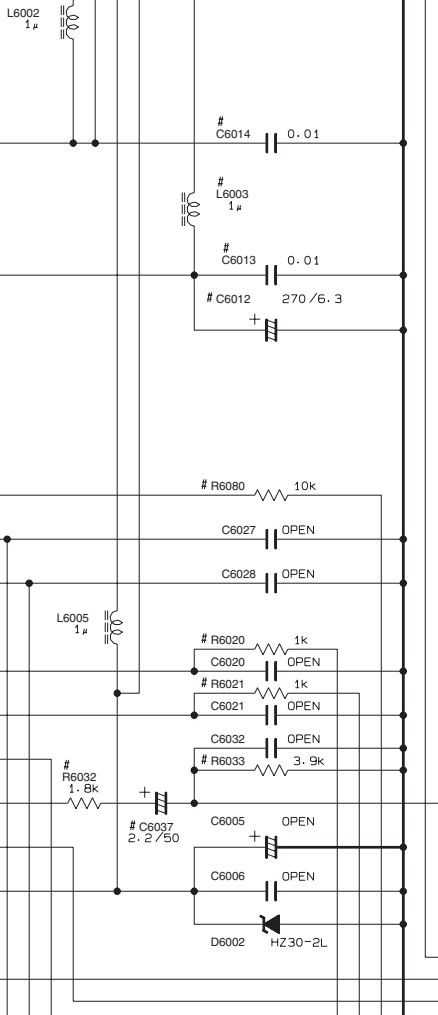
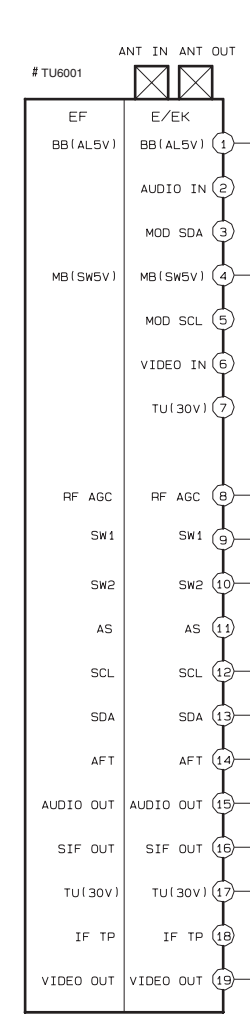
NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

Tuner section

03
TUNER[MAIN]

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μ F.

- ELECTROLYTIC
- CERAMIC
- MYLER
- NON POLAR



DIFFERENCE TABLE

FUNCTION	SYMBOL	MH300		M150
		E/EK/ER AA	EF	EK
ANALOG TUNER				
TUNER	TU6001	SAMSUNG GAU0401	SAMSUNG GAU0402	×
BB(AL5V)	C6014	○	○	×
MB(SW5V)	L6003	○	○	×
	C6012	○	○	×
	C6013	×	×	×
RF AGC	R6080	○	○	×
SCL	R6020	○	○	×
SDA	R6021	○	○	×
AUDIO OUT	R6032 R6033 C6037	×	○	×
VIDEO OUT	R6030 R6031 Q6030	○	○	×
VIDEO MUTE	Q6031	○	○	×
DEMOM				
VCC	L6701	○	○	×
	C6751	×	×	×
	C6752	×	×	×
DEMOM UNIT	CN6701	○	○	×
DIGITAL TUNER				
REG	CN6801	×	×	○
BT2	C6801	×	×	×
SW12V	L6801	×	×	○
	C6802	×	×	×
AL5V	C6803	×	×	×
SW5V	L6802	×	×	○
	C6804	×	×	×
SW3.3V	L6803	×	×	○
	C6805	×	×	×
	C6806	×	×	×
SW2.5V	L6804	×	×	○
	C6807	×	×	×
	C6808	×	×	×
SIGNAL	CN6802	×	×	○
Y OUT	R6830 Q6830	×	×	×
	B6830	×	×	○
C OUT	R6831 Q6831	×	×	×
	B6831	×	×	○
L OUT	R6835	×	×	○
R OUT	R6833	×	×	○

■ Junction section

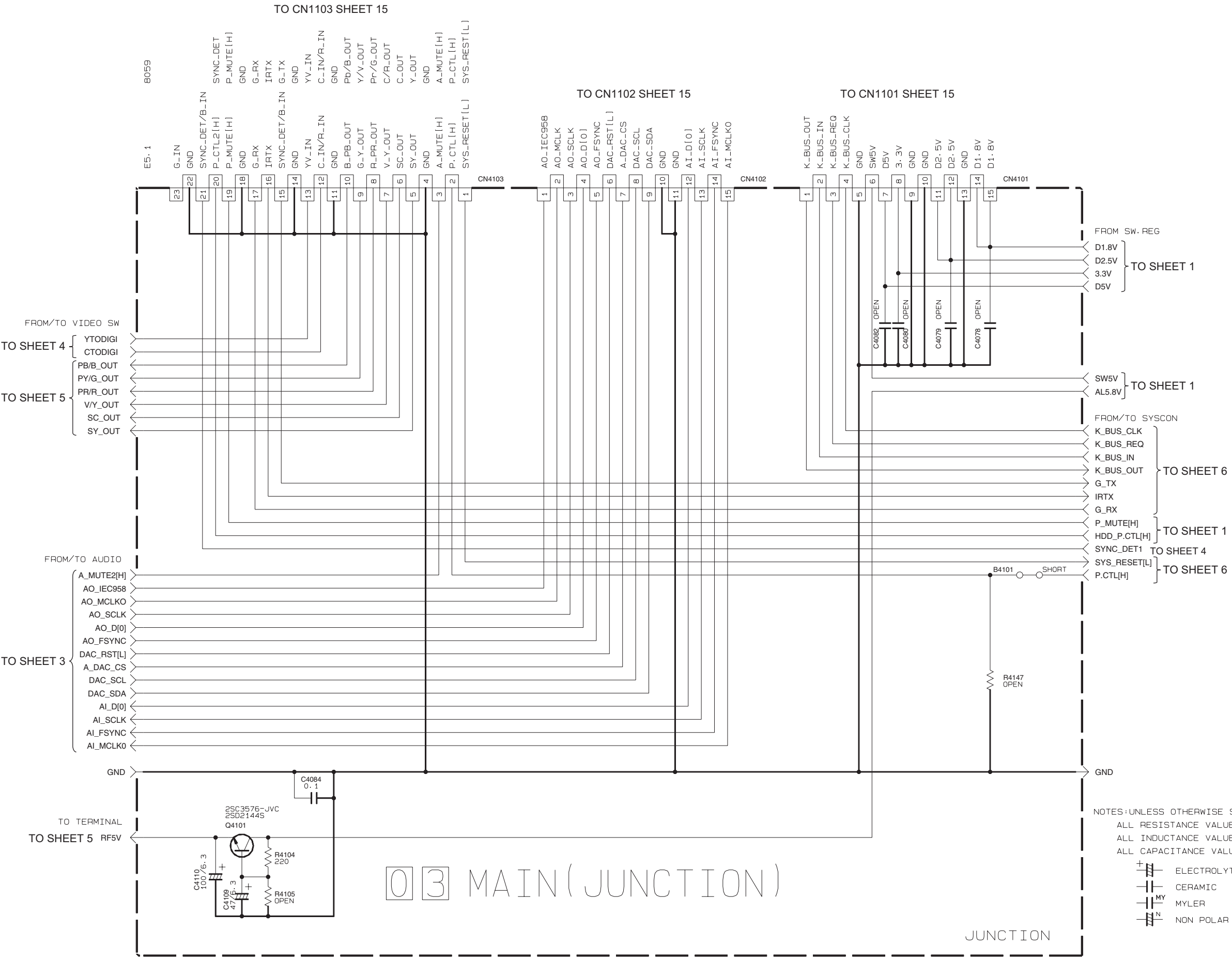
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1



03 MAIN (JUNCTION)

JUNCTION

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μ F.

- ELECTROLYTIC
- CERAMIC
- MYLER
- NON POLAR

Demodulator section

1 4 DEMOD

TO CN6701 SHEET 7

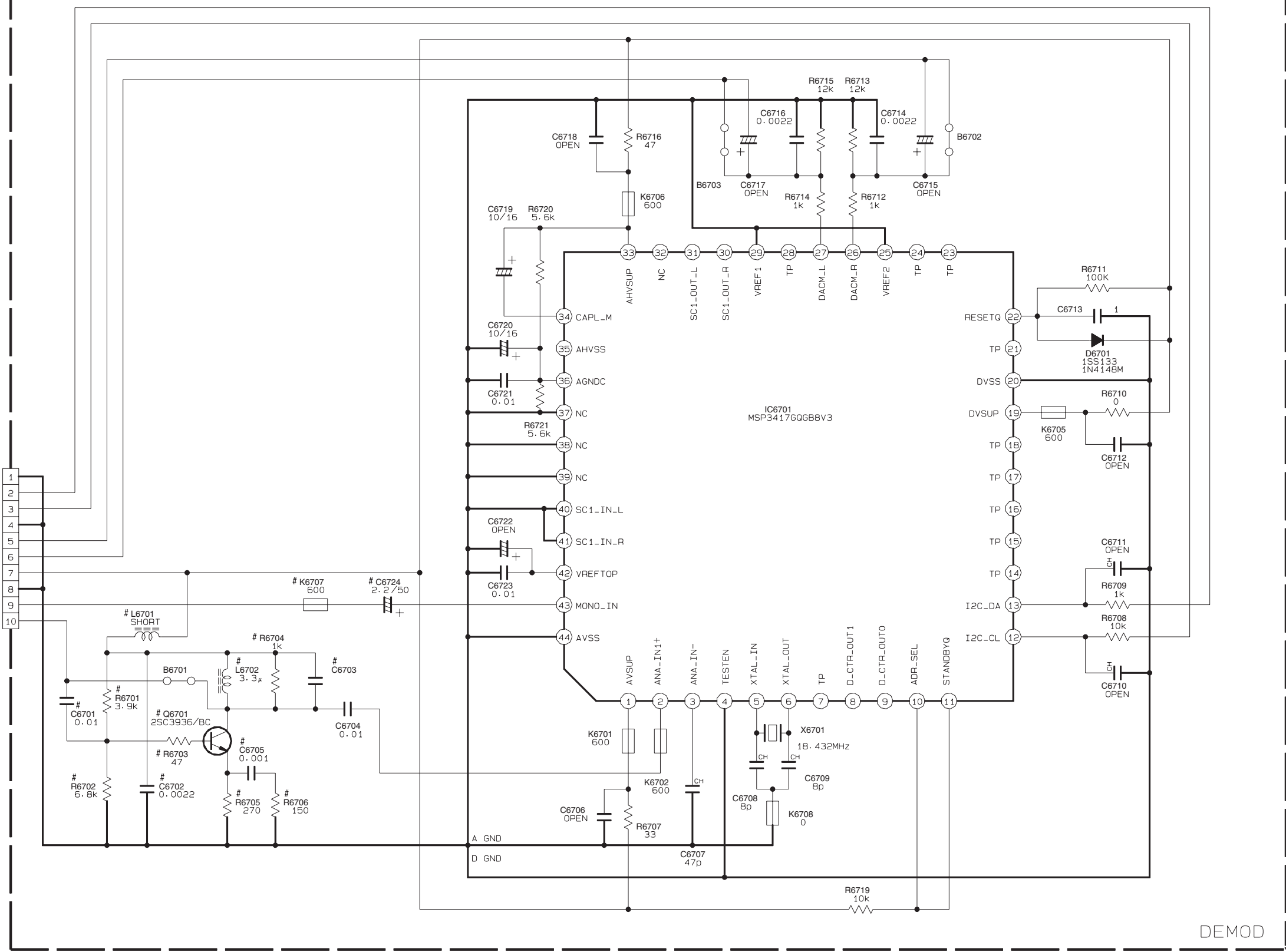
TO MAIN
CN6701
GND
I2C_DATA
I2C_CLK
GND
DEM0D_[R]
DEM0D_[L]
SW5V
GND
COMP
SIF

DIFFERENCE TABLE

FUNCTION	SYMBOL	E/EK/ER/AA/AG	EF
PREAMP	R6701-R6704, R6705-R6706, C6701-C6703, C6705, L6702, Q6701	×	×
MONO IN	C6724, K6707	×	○

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μ F.

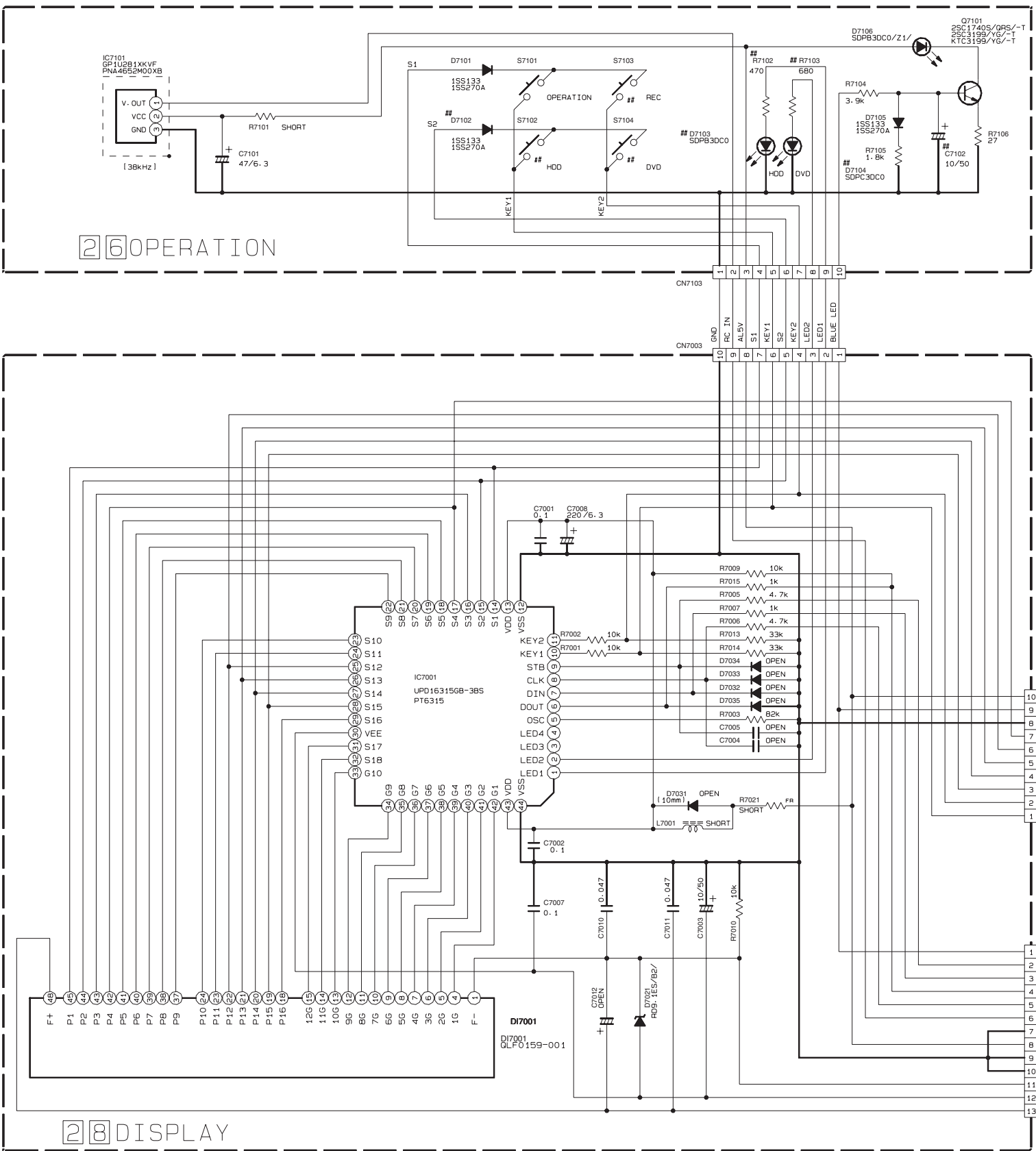
- ELECTROLYTIC
- CERAMIC
- MYLER
- NON POLAR



DEM0D

FL Display and operation switch section

5
4
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Parts are not attach

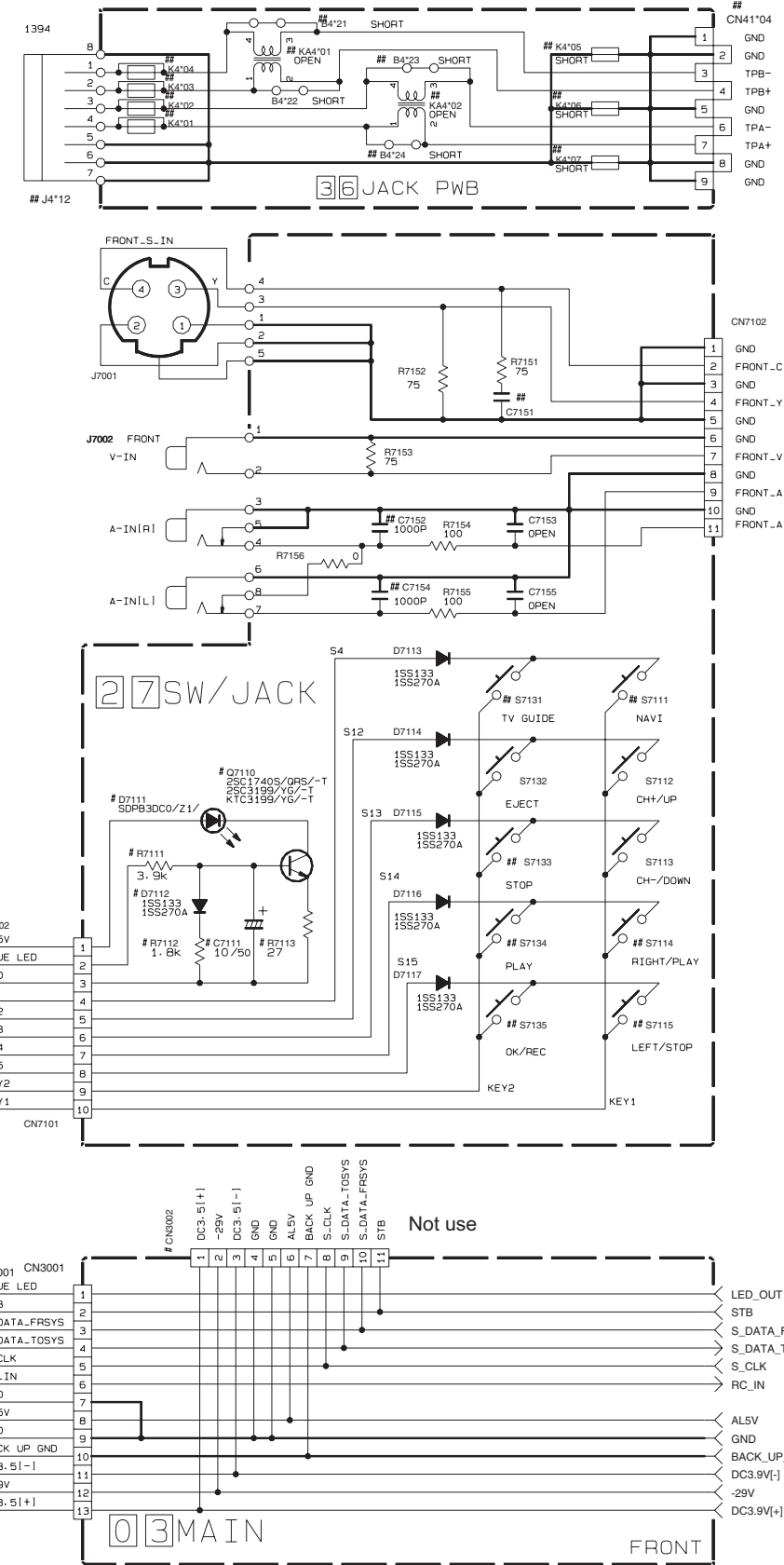
DIFFERENCE TABLE

	S7102	S7103	S7104	S7111	S7114	S7115	S7131	S7133	S7134	S7135	C7102	R7102, R7103, D7102, D7103, D7104, D7113	36 JACK PWB
M100	X	X	X	X	PLAY	STOP	X	X	X	REC	X	X	No. 4100 #
MH300	HDD	REC	DVD	NAVI	RIGHT	LEFT	TV GUIDE	STOP	PLAY	OK	X	O	No. 4200 #

		C7151	C7154
NTSC	JAPAN	0.01	X
	OTHER	SHORT	X
	PAL	SHORT	O

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

- ⊕ ELECTROLYTIC
- ⊖ CERAMIC
- MY MYLER
- ⊖ NON POLAR



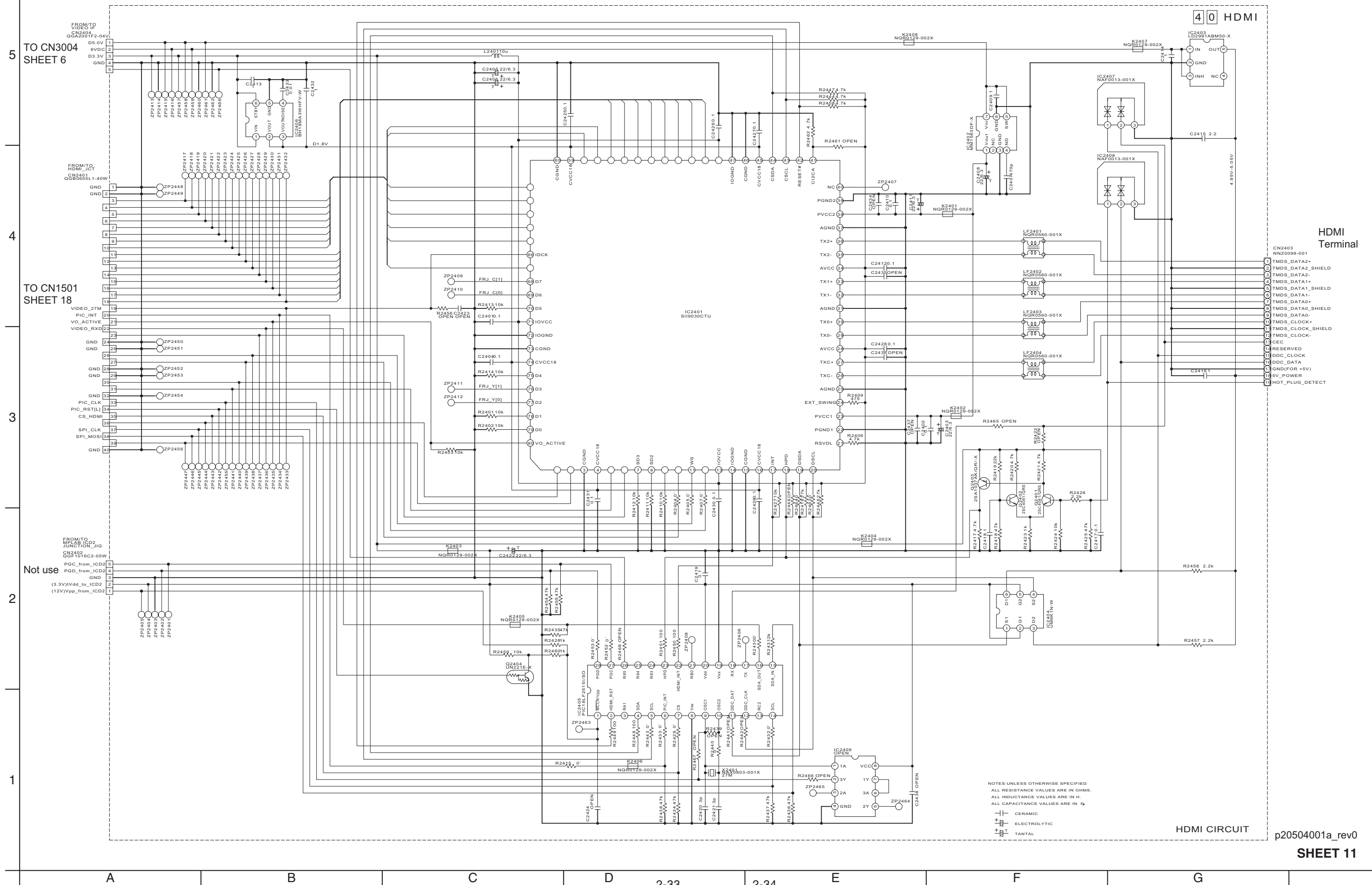
TO CN1801 SHEET 12

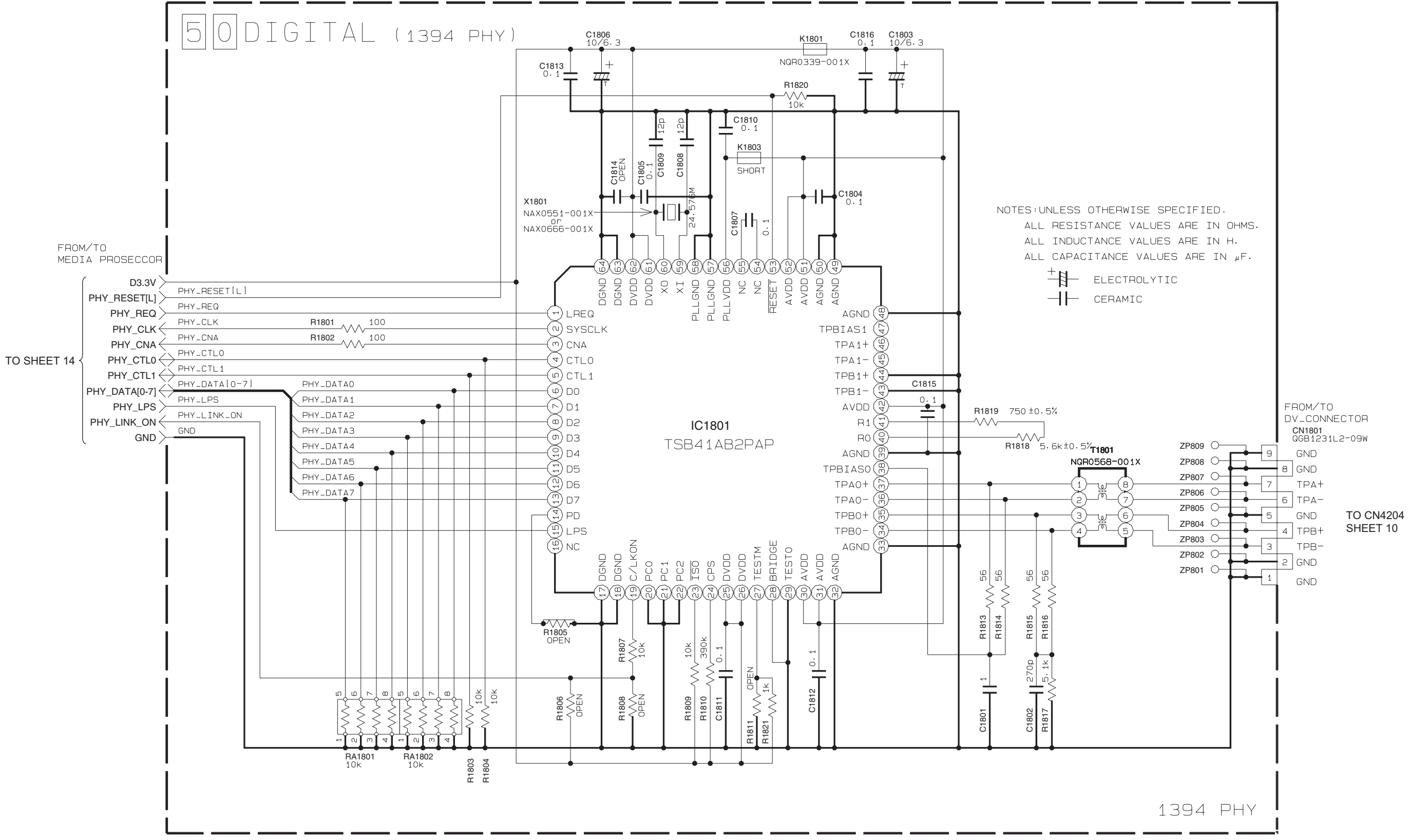
TO CN4001 SHEET 4

TO SHEET 6

TO SHEET 1

■ HDMI Transmitter section



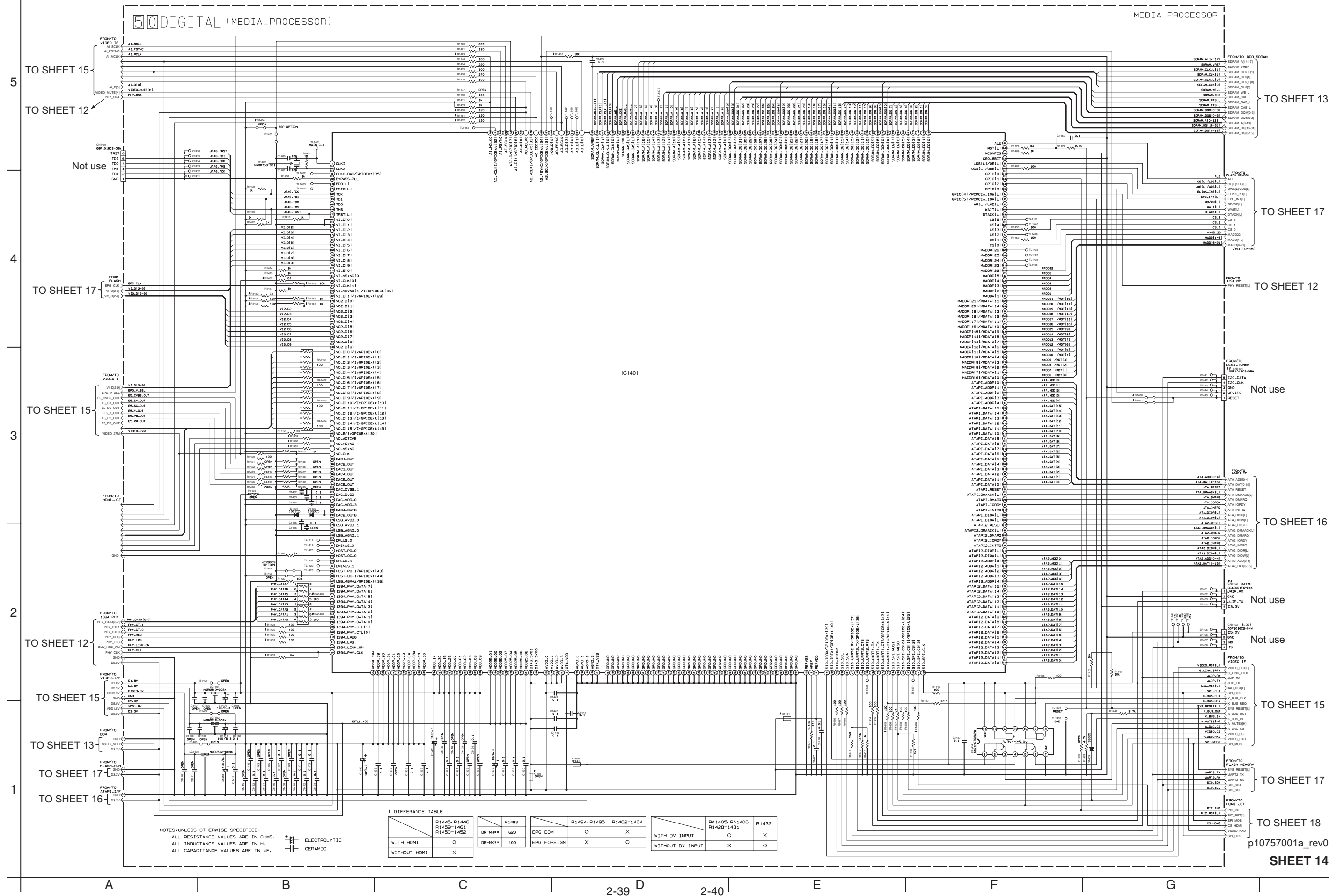


3

1

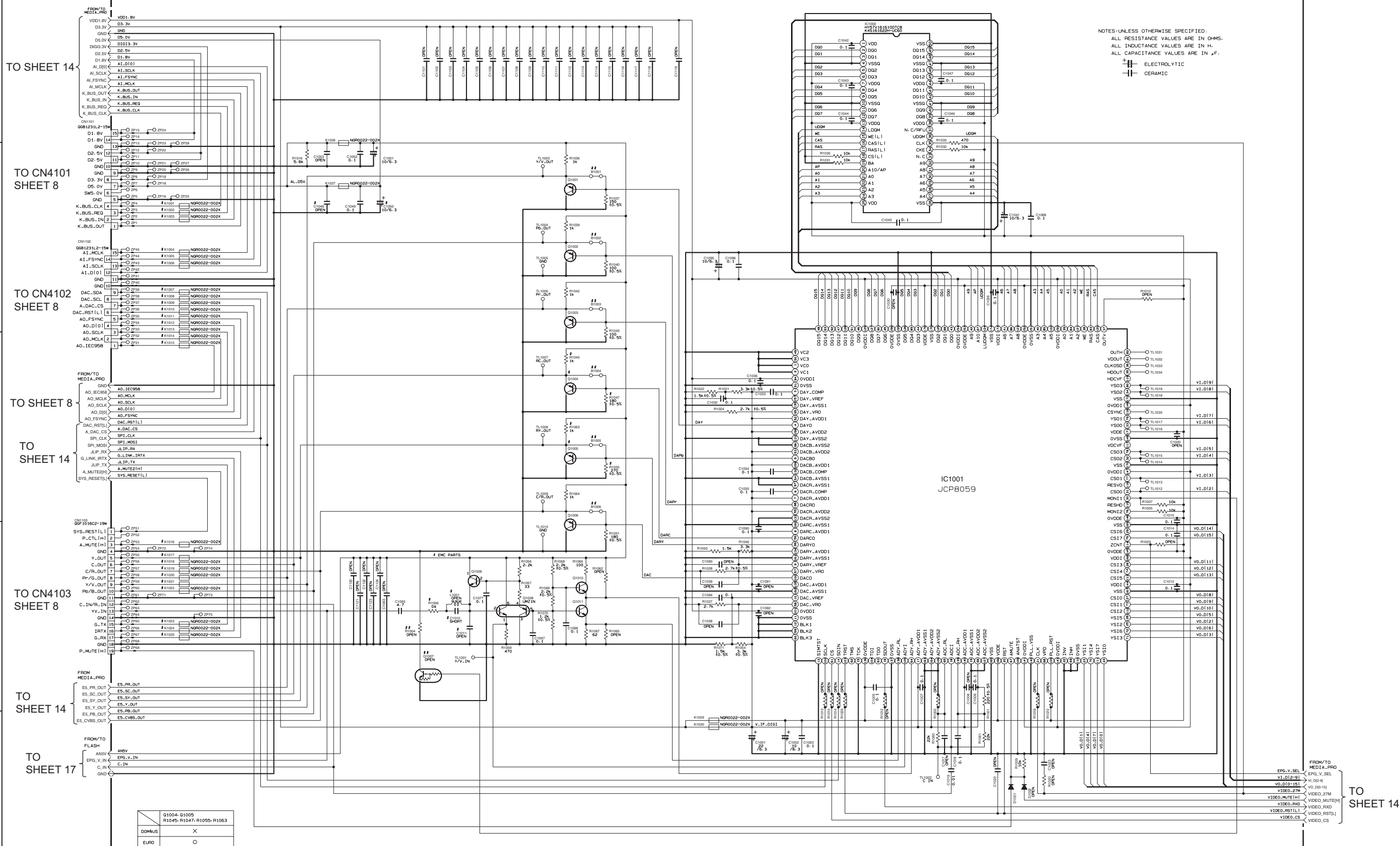


Media processor section



TO SHEET 14

50 DIGITAL (VIDEO_IF)



VIDEO I/F

p10759001a_rev0

SHEET 15

■ ATAPI Interface section

5

4

3

2

1

TO SHEET 14

TO SHEET 14

FROM/TO
MEDIA_PRO
ATA2_RESET
ATA2_DAT[0-15]
ATA2_DMARQ
ATA2_DIOW[L]
ATA2_DIOR[L]
ATA2_IORDY
ATA2_DMAACK[L]
ATA2_INTRQ
ATA2_ADD[0-4]
D3.3V
GND

FROM/TO
MEDIA_PRO
ATA_RESET
ATA_DAT[0-15]
ATA_DMARQ
ATA_DIOW[L]
ATA_DIOR[L]
ATA_IORDY
ATA_DMAACK[L]
ATA_INTRQ
ATA_ADD[0-4]

50 DIGITAL (ATAPI_IF)

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μ F.
+ — ELECTROLYTIC
— — CERAMIC

ATA2_DAT[7]
ATA2_DAT[8]
ATA2_DAT[6]
ATA2_DAT[9]
ATA2_DAT[5]
ATA2_DAT[10]
ATA2_DAT[4]
ATA2_DAT[11]
ATA2_DAT[3]
ATA2_DAT[12]
ATA2_DAT[2]
ATA2_DAT[13]
ATA2_DAT[1]
ATA2_DAT[14]
ATA2_DAT[0]
ATA2_DAT[15]

ATA2_ADD[1]
ATA2_ADD[0]
ATA2_ADD[2]
ATA2_ADD[3]
ATA2_ADD[4]

ATA_DAT[7]
ATA_DAT[8]
ATA_DAT[6]
ATA_DAT[9]
ATA_DAT[5]
ATA_DAT[10]
ATA_DAT[4]
ATA_DAT[11]
ATA_DAT[3]
ATA_DAT[12]
ATA_DAT[2]
ATA_DAT[13]
ATA_DAT[1]
ATA_DAT[14]
ATA_DAT[0]
ATA_DAT[15]

ATA_ADD[1]
ATA_ADD[0]
ATA_ADD[2]
ATA_ADD[3]
ATA_ADD[4]

ATAPI I/F

CN2101
QGF0533F1~40X

CN2201
QGF0539C1~40W

TO HDD

TO DRIVE UNIT

p20507001a_rev0

SHEET 16

A

B

C

2-43 D

2-44 E

F

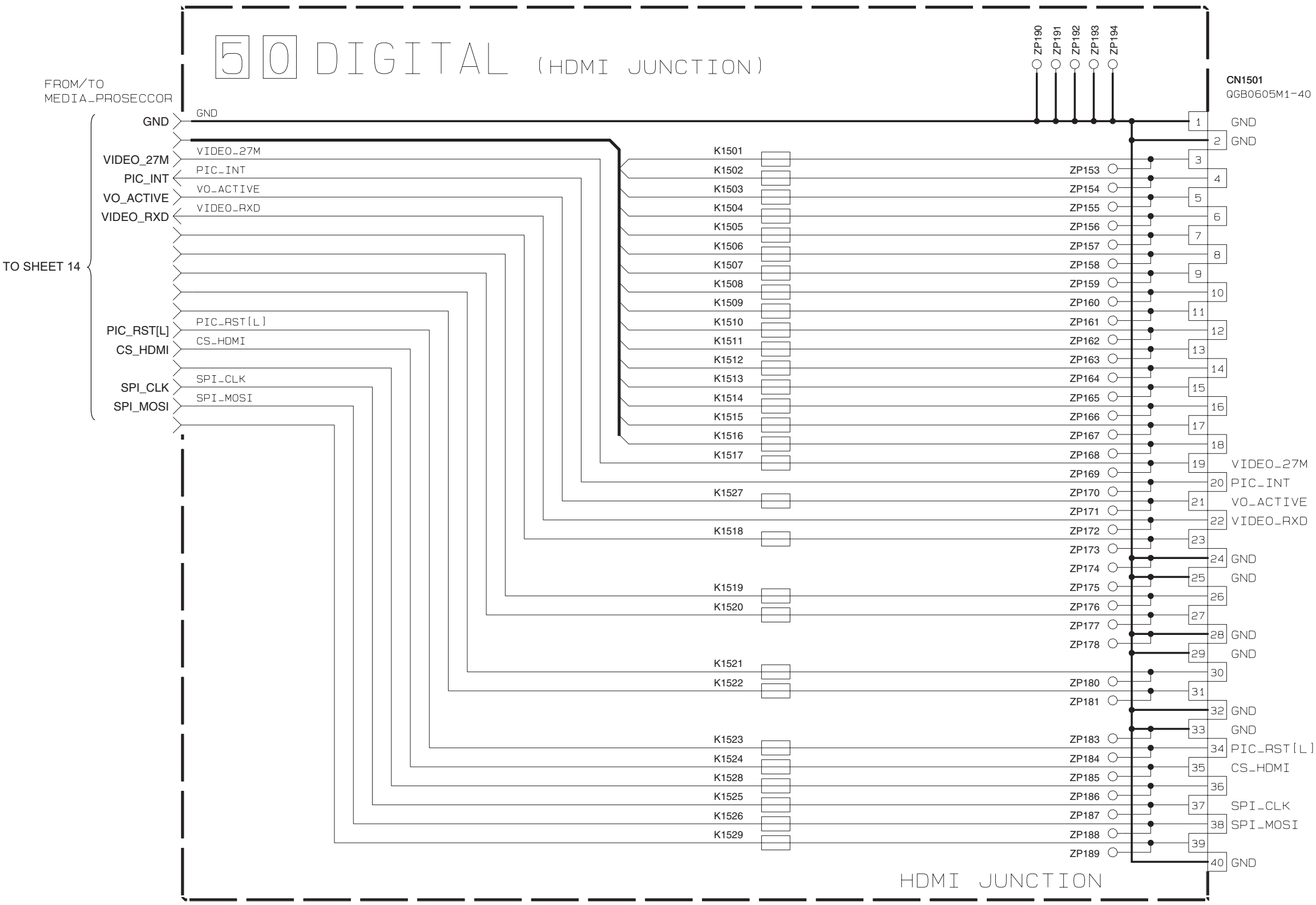
G

2-45

EFC

Not use

■ HDMI Junction section



NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μ F.

ELECTROLYTIC
 CERAMIC

RGB-Y/C Converter Section

5

4

3

2

1

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μ F.

 ELECTROLYTIC
 CERAMIC

VIDEO SW

RGB-Y/C
CONVERTER

VIDEO AMP

6 8 RGB_YC

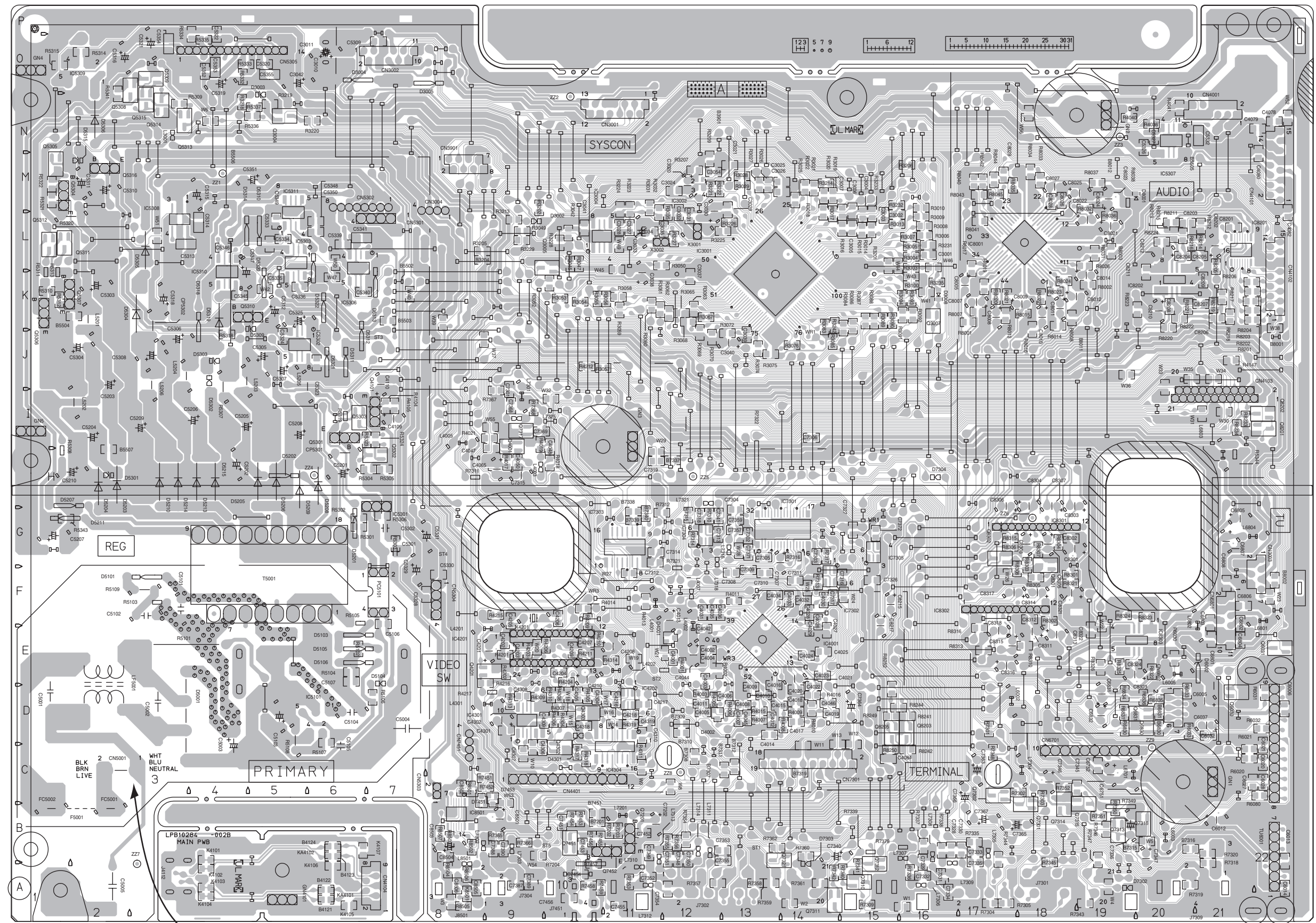
RGB_YC

FROM/TO
MAIN
C_-FROM_RGB
Y_-FROM_RGB
GND
REAR2_Y-IN
H-OUT
V-OUT
SYNC
FSC2
SW5V
REAR2_RC-IN
REAR2_G-IN
REAR2_B-IN

TO CN4401 SHEET 4

Printed circuit boards

■ Main board <03>

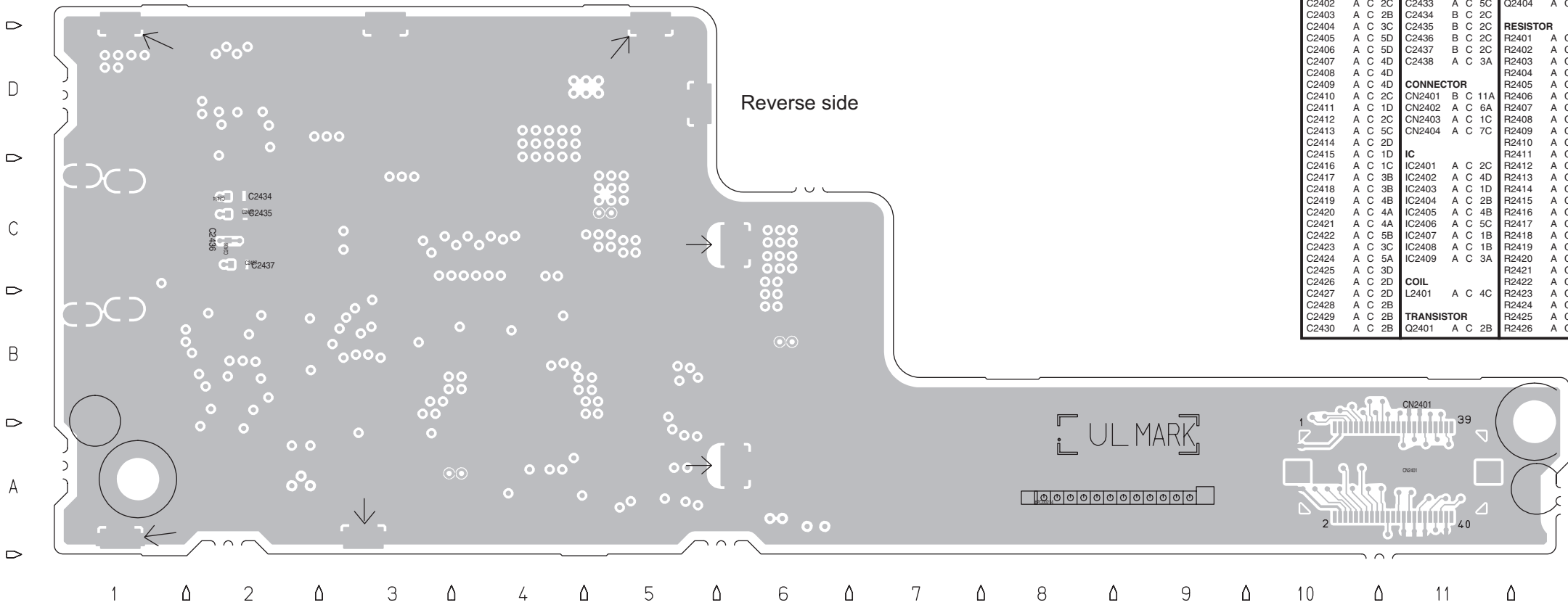
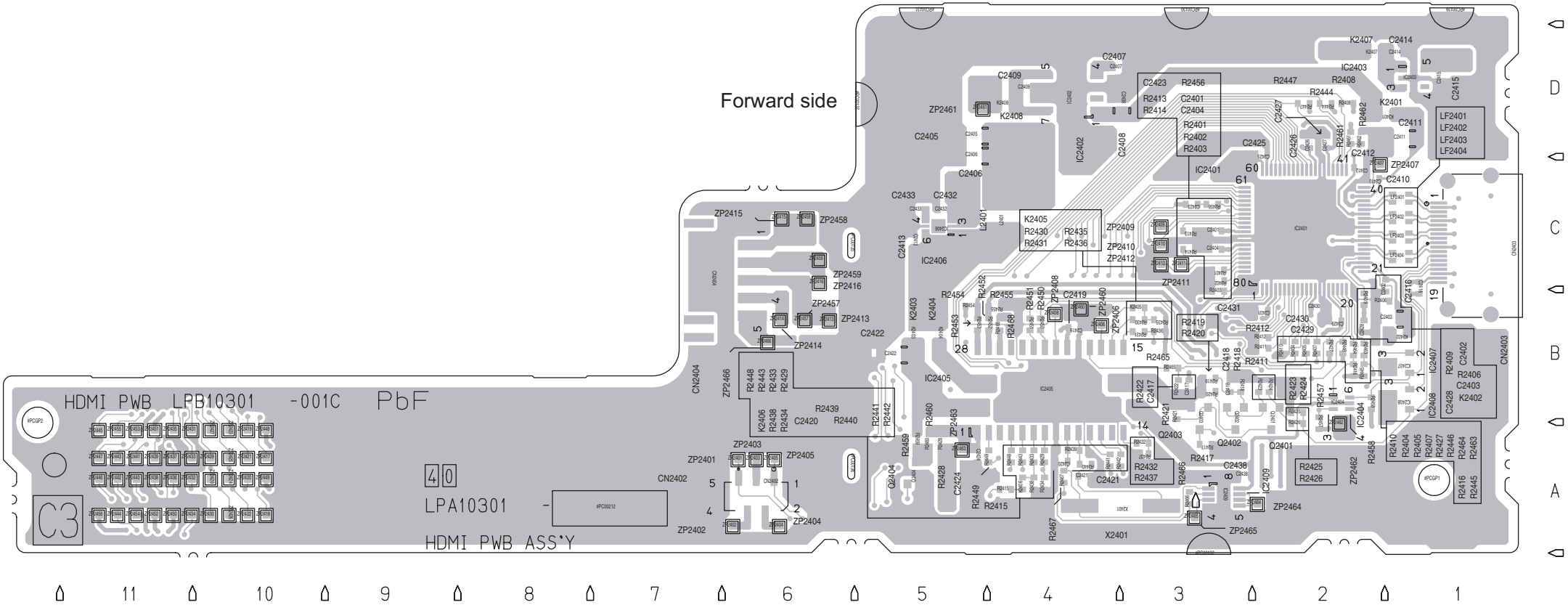


DANGER VOLTAGE

COMPONENT PARTS LOCATION GUIDE <MAIN>

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR													
C3001	B C 16L	C5305	A D 5J	C7456	B C 10A	D7302	A D 20A	Q8203	B C 16D	R4216	B C 9E	R8001	B C 17K
C3002	B C 15L	C5306	A D 3J	C8005	A D 17K	D7303	A D 14H	Q8205	B C 15D	R4217	A D 9D	R8002	B C 19K
C3003	B C 15L	C5307	A D 5J	C8006	A D 17K	D7304	A D 16H	Q8301	B C 18G	R4301	A D 10D	R8007	B C 17K
C3004	B C 15L	C5308	A D 7M	C8007	A D 17K	D7451	B C 8C	Q8302	B C 17G	R4305	B C 9D	R8008	B C 18K
C3005	B C 15L	C5310	A D 2M	C8009	A D 18K	D8001	B C 20M			R4306	B C 10D	R8013	B C 17K
C3006	B C 15M	C5311	A D 2M	C8011	A D 18K					R4307	B C 10D	R8014	B C 18K
C3007	B C 15L	C5312	A D 5K	C8012	A D 18K					R4308	B C 10D	R8015	B C 18K
C3010	A D 60	C5313	B C 3L	C8014	A D 19K					R4309	B C 10D	R8016	B C 18K
C3011	A D 60	C5314	B C 4L	C8021	A D 19L					R4310	B C 10D	R8017	B C 17L
C3020	B C 12M	C5315	A D 4M	C8022	A D 19L					R4311	B C 11C	R8020	B C 17K
C3021	B C 13M	C5316	A D 20	C8023	A D 19M	IC3001	B C 13K			R4312	B C 11E	R8021	B C 17K
C3024	B C 12M	C5318	A D 3K	C8024	B C 19M	IC3002	B C 12M			R4317	B C 10C	R8022	B C 18K
C3025	B C 14M	C5319	A D 40	C8025	A D 18M	IC3004	B C 10L			R4318	B C 10C	R8023	B C 18K
C3026	B C 14M	C5320	B C 50	C8026	B C 18M	IC4001	B C 13E			R4319	B C 11D	R8024	B C 18K
C3027	B C 11L	C5321	A D 3P	C8027	A D 18M	IC4021	A D 9E			R5101	A D 4E	R8026	B C 19L
C3028	B C 11L	C5322	B C 40	C8028	A D 18M	IC4022	A D 11D			R5102	A D 3F	R8031	B C 19L
C3029	B C 13M	C5323	B C 6J	C8029	A D 17M	IC4301	B C 9D			R5103	A D 3F	R8032	B C 19M
C3030	A D 12L	C5324	B C 5J	C8201	B C 21L	IC4304	A D 11C			R5104	A D 6E	R8033	B C 18M
C3031	B C 12L	C5325	A D 6K	C8202	A D 21L	IC5101	A D 6D			R5105	A D 7F	R8034	B C 18M
C3032	B C 12L	C5326	B C 20N	C8203	B C 20L	IC5301	A D 7H			R5106	A D 7D	R8035	B C 17M
C3033	A D 11L	C5327	B C 20N	C8204	B C 20L	IC5302	B C 5J			R5107	A D 5C	R8036	B C 19L
C3034	B C 11L	C5328	B C 8F	C8205	B C 21K	IC5303	B C 5L			R5108	A D 3F	R8037	B C 19M
C3035	B C 12L	C5329	A D 7G	C8206	B C 21K	IC5306	B C 6L			R5109	A D 3F	R8038	A D 19L
C3037	B C 12K	C5330	B C 8F	C8207	B C 21K	IC5307	B C 20N			R5110	A D 6G	R8041	B C 17M
C3038	A D 11K	C5331	A D 8G	C8208	B C 20K	IC5308	B C 3L			R5302	B C 6G	R8042	B C 17L
C3039	B C 13J	C5332	B C 21N	C8209	B C 21K	IC5309	A D 20			R5303	B C 7G	R8043	B C 17M
C3040	A D 13J	C5333	B C 5L	C8210	A D 20K	IC5310	B C 4K			R5304	B C 7H	R8044	B C 17M
C3041	B C 10L	C5334	B C 5L	C8211	A D 20K	IC5311	B C 5L			R5305	B C 7H	R8045	B C 17M
C3042	A D 60	C5335	B C 5K	C8212	A D 20L	IC7301	B C 14G			R5306	B C 7G	R8046	B C 17M
C3054	B C 12M	C5336	B C 5K	C8215	A D 15F	IC7302	B C 14F			R5307	A D 4J	R8202	B C 21K
C4001	B C 12E	C5339	B C 6L	C8217	A D 15F	IC7303	B C 11G			R5308	A D 4J	R8203	B C 21K
C4002	B C 12E	C5340	B C 6K	C8301	A D 19G	IC7304	B C 12G			R5309	B C 3N	R8204	B C 21K
C4003	B C 12E	C5341	B C 6L	C8302	B C 18G	IC7305	B C 15G			R5310	B C 1K	R8205	B C 21K
C4004	B C 12E	C5345	B C 4K	C8303	A D 19H	IC8001	B C 18L			R5311	A D 1K	R8206	B C 21L
C4005	B C 12E	C5346	B C 4L	C8304	A D 18H	IC8201	B C 21L			R5312	A D 1K	R8207	B C 21K
C4006	B C 13D	C5347	A D 4L	C8305	A D 18G	IC8202	B C 20K			R5313	A D 1K	R8211	B C 20L
C4007	B C 13D	C5348	B C 6L	C8306	A D 17H	IC8301	A D 17G			R5314	A D 20	R8212	B C 21L
C4008	B C 13D	C5349	B C 6L	C8307	A D 18H	IC8302	A D 17F			R5315	A D 10	R8213	B C 21L
C4009	B C 13D	C5350	B C 6L	C8308	A D 18G	IC8303	B C 20E			R5316	B C 4J	R8214	B C 21L
C4010	B C 13D	C5351	A D 5M	C8311	A D 18E	IC8501	B C 8B			R5319	A D 6I	R8215	B C 20L
C4011	B C 12D	C5352	B C 40	C8312	A D 18F					R5320	A D 1L	R8216	B C 20L
C4012	B C 13D	C5353	B C 40	C8313	A D 18E					R5321	A D 1M	R8217	B C 21K
C4013	A D 12F	C5354	B C 30	C8314	A D 18F	L3001	A D 3N			R5322	B C 1M	R8218	B C 21K
C4014	B C 13D	C5355	B C 50	C8315	A D 17E	L4001	A D 11F			R5323	B C 7I	R8219	B C 21K
C4015	B C 13D	C5356	B C 21	C8316	A D 17E	L4002	A D 11F			R5324	B C 7I	R8220	B C 21K
C4016	B C 13D	C6006	B C 22D	C8317	A D 18F	L4003	A D 9H			R5325	B C 40	R8221	B C 20K
C4017	B C 14D	C6012	A D 21B	C8318	A D 17E	L4005	A D 8I			R5332	B C 40	R8222	B C 20K
C4018	B C 14D	C6013	B C 22B	C8321	A D 19F	L4007	A D 12F			R5333	B C 40	R8223	B C 20K
C4019	B C 14D	C6014	B C 22A	C8322	B C 19E	L4201	A D 8E			R5334	B C 40	R8224	B C 20L
C4020	B C 14D	C6020	B C 22C	C8323	A D 20E	L4202	A D 11E			R5336	B C 5N	R8233	B C 21L
C4021	A D 14E	C6021	B C 22C	C8324	B C 19E	L4301	A D 9D			R5337	B C 5N	R8234	B C 21L
C4022	B C 14E	C6027	B C 21C	C8501	A D 9B	L5201	A D 2K			R5344	B C 12J	R8242	B C 16D
C4023	B C 14E	C6028	B C 22C	C8502	B C 8C	L5202	A D 2I			R5343	B C 1G	R8243	B C 16C
C4024	B C 14E	C6032	B C 21D	C8503	A D 8B	L5203	A D 4I			R5344	A D 21H	R8244	B C 15D
C4025	B C 14E	C6037	A D 21D	C8504	B C 8B	L5204	A D 3J			R6020	B C 21C	R8249	B C 15D
C4026	B C 14F	C6751	A D 19C	C8505	B C 8A	L5205	A D 6I			R6021	B C 21C	R8250	B C 15C
C4027	B C 14E	C6752	B C 19C	C8506	B C 8A	L5206	A D 3I			R6030	B C 20E	R8252	B C 15D
C4028	B C 14F	C6801	B C 21E			L6002	A D 17D			R6031	B C 22D	R8301	B C 18F
C4029	B C 14E	C6802	B C 21F			L6003	A D 20B			R6032	B C 22D	R8302	B C 18F
C4030	B C 14F	C6803	B C 21F			L6005	A D 20E			R6033	B C 20D	R8303	B C 18G
C4031	B C 12F	C6804	B C 21E			L6701	A D 19C			R6080	B C 22C	R8304	B C 18G
C4032	B C 14F	C6805	A D 21G			L6801	A D 22F			R6830	B C 19D	R8305	B C 18F
C4033	B C 14F	C6806	B C 21F			L6802	A D 21E			R6831	B C 19D	R8306	B C 17G
C4034	B C 13F	C6807	A D 21G			L6803	A D 21H			R6833	B C 20D	R8307	B C 18G
C4035	B C 12F	C6808	B C 21F			L6804	A D 21G			R6834	B C 19D	R8308	B C 17F
C4036	B C 12F	C6809	A D 21G			L6805	A D 22M			R6835	B C 20D	R8309	B C 18E
C4042	B C 12E	C6832	A D 19D			L7301	A D 9I			R6836	B C 20D	R8313	B C 17E
C4044	A D 12E	C7202	A D 11B			L7302	A D 8B			R7202	B C 11B	R8315	B C 17G
C4045	B C 13D	C7301	B C 9I			L7303	A D 9B			R7203	B C 11B	R8316	B C 17E
C4046	B C 14D	C7302	B C 13G			L7304	A D 18C			R7204	A D 10A	R8321	B C 18F
C4047	B C 9I	C7303	B C 14G			L7305	A D 17B			R7301	B C 17D	R8322	B C 20E
C4048	B C 10I	C7304	B C 13G			L7306	A D 16A			R7302	B C 18C	R8323	B C 20F
C4050	B C 9H	C7305	A D 7M			L7307	A D 15B			R7303	B C 18C	R8324	B C 19F
C4055	A D 9H	C7306	B C 14I			L7308	A D 16B			R7304	B C 17A	R8325	B C 19E
C4078	B C 22N	C7307	A D 13G			L7309	A D 16A			R7305	B C 17A	R8326	B C 19E
C4079	B C 22N	C7308	B C 13F			L7310	A D 11A			R7309	B C 15A	R8501	B C 8C
C4080	B C 22M	C7309	B C 13F			L7311	A D 12B			R7310	B C 12G	R8502	B C 8B
C4082	B C 22L	C7310	B C 13F			L7312	A D 11A			R7311	A D 8H	R8503	B C 8B
C4084	B C 15C	C7311	B C 14F			L7313	A D 11B			R7312	B C 11G	R8504	B C 8A
C4105	A D 7I	C7312	B C 11G			L7314	A D 12B			R7313	A D 14F	R8505	B C 8A
C4110	A D 7I	C7313	B C 12G			L7315	A D 13C			R7314	B C 12G	R8506	B C 8A
C4201	A D 9E	C7314	B C 11G			L7316	A D 12G			R7315	B C 12G	R8507	B C 8B
C4202	B C 9E	C7315	A D 9H			L7317	A D 12H			R7316	B C 14G		
C4203	B C 9E	C7316	A D 15F			L7325	A D 9I			R7317	B C 14G		
C4204	B C 10E	C7317	B C 14F			L8501	A D 8A			R7318	B C 11M		
C4205	B C 9F	C7318	B C 12G							R7319	B C 11M		
C4206	B C 10F	C7319	B C 11H							R7320	B C 13I		
C4207	B C 10E	C7326	B C 15F							R7321	A D 12F		
C4208	A D 11E	C7327	B C 15G							R7322	A D 13H		
C4209	B C 10E	C7328	B C 16B							R7323	B C 17B		
C4210	A D 10E	C7329	B C 16B							R7324	B C 16A		
C4216	B C 11D	C7330	B C 17B							R7325	B C 16B		
C4217	B C 11D	C7331	B C 16A							R7326	B C 16B		
C4218	B C 11D	C7332	B C 16A							R7327	B C 15B		
C4301	B C 9D	C7333	B C 17B							R7328	B C 15B		
C4302	A D 9D	C7334	B C 16A							R7329	B C 15B		
C4304	B C 10D	C7335	B C 17B							R7330	B C 15A		
C4305	B C 10D	C7336	A D 19B							R7331	B C 14A		
C4306	B C 9C	C7340	A D 15B							R7332	B C 14A		
C4307	B C 9C	C7341	A D 12G							R7333	B C 14A		
C4308	B C 9D	C7345	A D 19C							R7334	B C 13D		
C4309	B C 10D	C7346	A D 18C							R7335	B C 13D		
C4310	B C 11D	C7347	A D 20B							R7336	B C 17C		
C4318	B C 10D	C7348	B C 12B							R7337	A D 1		

HDMI board
 <40>



COMPONENT PARTS LOCATION GUIDE <HDMI>

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR									
C2401	A C 3C	C2431	A C 3B	Q2402	A C 3B	R2427	A C 2B	R2458	A C 2B
C2402	A C 2C	C2432	A C 5C	Q2403	A C 3B	R2428	A C 5A	R2459	A C 5A
C2403	A C 2B	C2433	A C 5C	Q2404	A C 5A	R2429	A C 4A	R2460	A C 5A
C2404	A C 3C	C2434	B C 2C			R2430	A C 3B	R2461	A C 2D
C2405	A C 5D	C2435	B C 2C	RESISTOR		R2431	A C 3B	R2462	A C 2D
C2406	A C 5D	C2436	B C 2C	R2401	A C 3C	R2432	A C 3A	R2463	A C 2B
C2407	A C 4D	C2437	B C 2C	R2402	A C 3C	R2433	A C 4A	R2464	A C 2B
C2408	A C 4D	C2438	A C 3A	R2403	A C 3B	R2434	A C 4A	R2465	A C 3B
C2409	A C 4D			R2404	A C 2B	R2435	A C 3B	R2466	A C 3A
C2410	A C 2C	CONNECTOR		R2405	A C 2B	R2436	A C 3B	R2467	A C 4A
C2411	A C 1D	CN2401	B C 11A	R2406	A C 2B	R2437	A C 3A	R2468	A C 5B
C2412	A C 2C	CN2402	A C 6A	R2407	A C 2B	R2438	A C 4A		
C2413	A C 5C	CN2403	A C 1C	R2408	A C 2D	R2439	A C 4A	OTHER	
C2414	A C 2D	CN2404	A C 7C	R2409	A C 2B	R2440	A C 4A	K2401	A C 2D
C2415	A C 1D			R2410	A C 2B	R2441	A C 4A	K2402	A C 1B
C2416	A C 1C	IC2401	A C 2C	R2411	A C 3B	R2442	A C 4A	K2403	A C 5B
C2417	A C 3B	IC2402	A C 4D	R2412	A C 3B	R2443	A C 4A	K2404	A C 5B
C2418	A C 3B	IC2403	A C 1D	R2413	A C 3C	R2444	A C 2D	K2405	A C 3B
C2419	A C 4B	IC2404	A C 2B	R2414	A C 3C	R2445	A C 2B	K2406	A C 4A
C2420	A C 4A	IC2405	A C 4B	R2415	A C 4A	R2446	A C 2B	K2407	A C 2D
C2421	A C 4A	IC2406	A C 5C	R2416	A C 2B	R2447	A C 2D	K2408	A C 4D
C2422	A C 5B	IC2407	A C 1B	R2417	A C 3A	R2448	A C 4A	LF2401	A C 1C
C2423	A C 3C	IC2408	A C 1B	R2418	A C 3B	R2449	A C 5A	LF2402	A C 1C
C2424	A C 5A	IC2409	A C 3A	R2419	A C 3B	R2450	A C 4B	LF2403	A C 1C
C2425	A C 3D			R2420	A C 3B	R2451	A C 4B	LF2404	A C 1C
C2426	A C 2D	COIL		R2421	A C 3B	R2452	A C 5B	X2401	A C 4A
C2427	A C 2D	L2401	A C 4C	R2422	A C 3B	R2453	A C 5B		
C2428	A C 2B			R2423	A C 3B	R2454	A C 5B		
C2429	A C 2B	TRANSISTOR		R2424	A C 2B	R2455	A C 5B		
C2430	A C 2B	Q2401	A C 2B	R2425	A C 2B	R2456	A C 3C		
				R2426	A C 2A	R2457	A C 2A		

[illegible][illegible]

VOLTAGE CHARTS

<HDMI>

MODE PIN NO.	P.ON
IC2401	
1	2.8
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4	1.8
5	1.4
6	1.5
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8	0
9	0.2
10	0
11	1.6
12	1.6
13	3.3
14	0
15	0
16	1.8
17	3.2
18	0
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32	0.2
33	0.2
34	3.2
35	0.2
36	0.2
37	0
38	3.3
39	0
40	0
41	0.2
42	3.2
43	3.2
44	3.2
45	1.8
46	0
47	0
48	3.2
49	1.2
50	1.3
51	2.6
52	0
53	2.6
54	1.3
55	1.3
56	2.6
57	0.9
58	1.3
59	1.8
60	0
61	0
62	0
63	0
64	1.3
65	1.3
66	1.4
67	2.6
68	3.2
69	3.1
70	0
71	3.2
72	0
73	0
74	1.8
75	0
76	0.2
77	0.2
78	0
79	0
80	2.5
IC2402	
1	3.3
2	0
3	0
4	2.0
5	4.9
6	0
7	4.9
IC2403	
1	5.7
2	0
3	5.7
4	0
5	3.6
IC2404	
1	3.2

<DC/DC CONV>

MODE PIN NO.	P.ON
IC5701	
1	5.8
2	1.1
3	1.5
4	0
5	0
6	0
7	2.2
8	5.9
9	0
10	0
11	0
12	5.8
13	2.5
14	0
15	1.5
16	1.0
17	0
18	5.9
19	4.8
20	0
IC5710	
1	3.2
2	5.8
3	0
4	2.5
5	2.5
Q5720	
1	2.0
2	2.0
3	3.9
4	5.8
5	0
6	0
CN5701	
1	4.8
2	1.9
3	1.9
4	0
5	0
6	0
CN5702	
1	5.8
2	0
3	0.9
4	2.5
5	0
6	5.8
7	0

<RGB-YC>

MODE PIN NO.	P.ON
IC4401	
1	0
2	2.3
3	2.3
4	0
5	0
6	2.0
7	0
8	4.2
9	0
10	4.5
11	4.0
12	5.0
13	0
14	0
15	0
16	1.6
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
IC4402	
1	0.5
2	0
3	5.0
4	1.8
5	0
6	2.1
IC4403	
1	0
2	4.8
3	5.0
4	0
5	0
6	0.3
7	0
8	0
9	0
10	3.9
11	5.0
12	0
13	5.0
14	2.3
15	0
16	5.0
IC4404	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	1.0
10	1.0
11	0
12	1.0
13	1.0
14	1.0
15	1.0
16	5.0
CN4402	
1	0
2	1.4
3	0
4	0
5	4.6
6	0
7	4.6
8	1.9
9	5.0
10	0
11	0
12	0

<DEMOD>

MODE PIN NO.	P.ON
IC6701	
1	4.2
2	0
3	1.5
4	0
5	0
6	0
7	2.0
8	0
9	0
10	3.5
11	3.5
12	5.0
13	5.0
14	0.3
15	0.3
16	0.3
17	0.3
18	0.3
19	4.9
20	0
21	0.3
22	4.2
23	0
24	0
25	0
26	1.0
27	0
28	0
29	0
30	2.3
31	0
32	0
33	4.5
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	2.3
44	0
CN6701	
1	0
2	5.1
3	5.0
4	0
5	0.9
6	0.9
7	4.9
8	0
9	0
10	2.0



Victor Company of Japan, Limited

Digital Video Storage Category 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan



PARTS LIST

[DR-MH300BE, DR-MH300BEK, DR-MH300SE,
DR-MH300SEF, DR-MH300SEK, DR-MH300SER,
DR-ED400SE]

*** SAFETY PRECAUTION**

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

*** BEWARE OF BOGUS PARTS**

Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

* (x_) in a description column shows the number of the used part.

Area Suffix

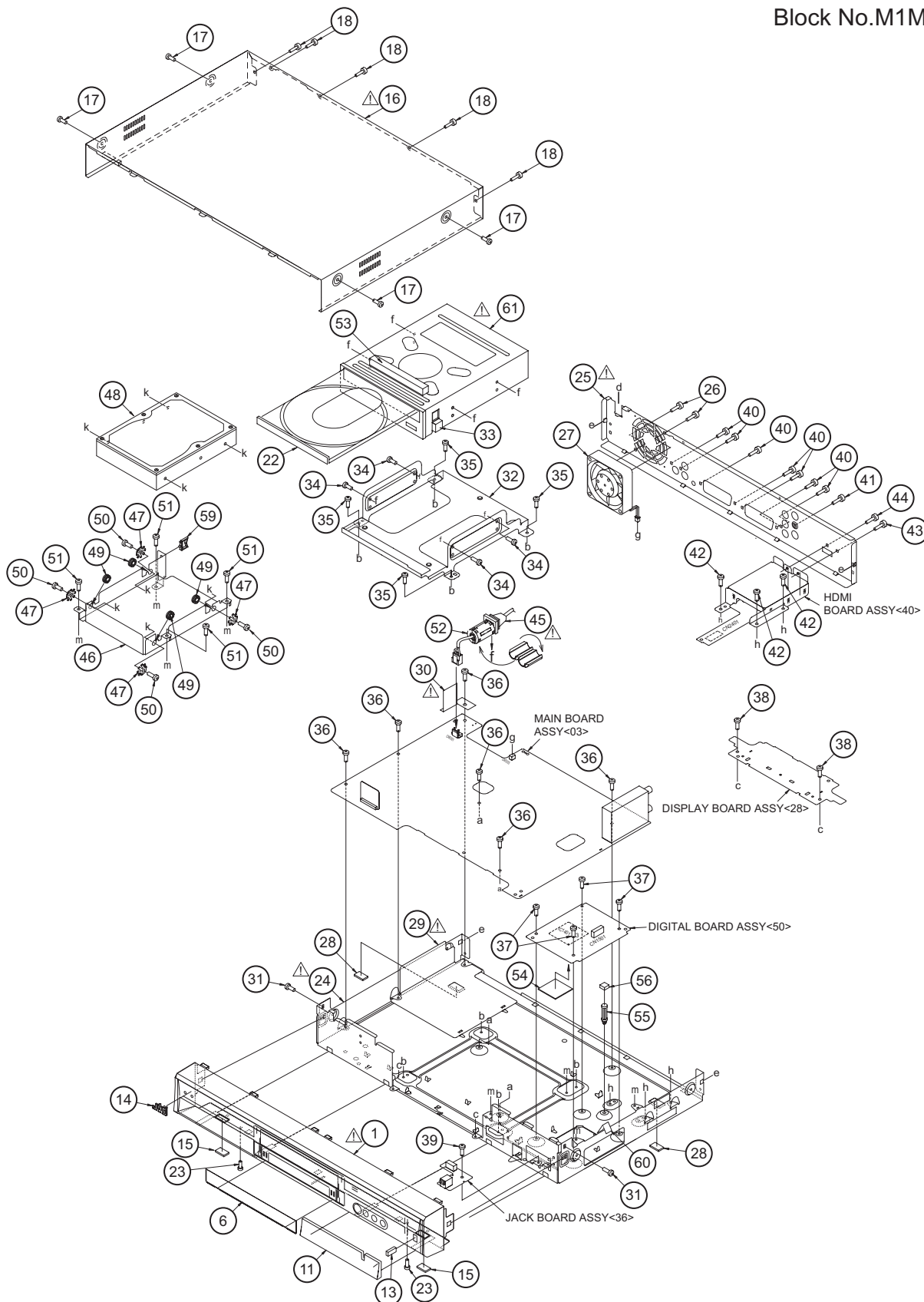
E	-----	Continental Europe Northern Europe
EF	-----	France
EK	-----	U.K.
ER	----	Russian Federation

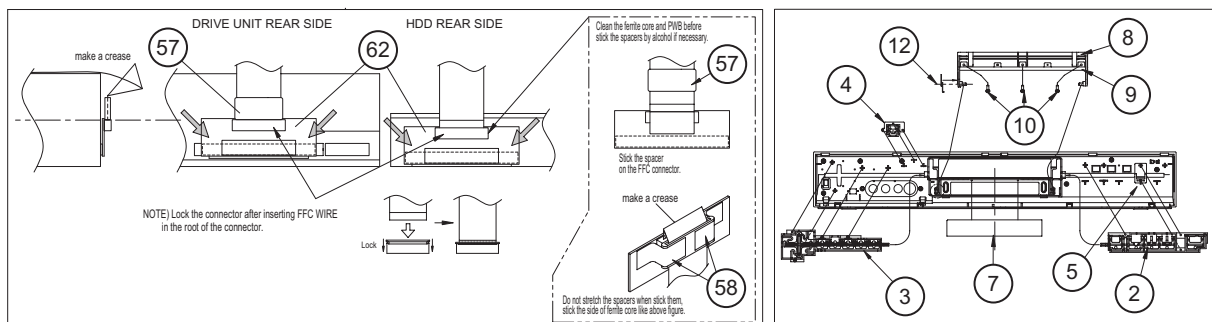
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Exploded view of general assembly and parts list

Block No.M1MM





General assembly

Block No. [M][1][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
△ 1	LP10581-012B	FRONT PANEL		300BE,300BEK
△ 1	LP10581-011B	FRONT PANEL		300SE,300SEF,300SEK
△ 1	LP10581-016A	FRONT PANEL		300SER
△ 1	LP10581-017A	FRONT PANEL		400SE
2	LP31543-002B	P.BUTTON ASSY		300BE,300BEK
2	LP31543-001C	P.BUTTON ASSY		300SE,300SEF,300SEK,300SER,400SE
3	LP21357-002B	P.BUTTON(R)		300BE,300BEK
3	LP21357-001C	P.BUTTON(R)		300SE,300SEF,300SEK,300SER,400SE
4	LP21352-002A	P.BUTTON(EJ)		300BE,300BEK
4	LP21352-001A	P.BUTTON(EJ)		300SE,300SEF,300SEK,300SER,400SE
5	LP31477-002A	REMOTE LENS		300BE,300BEK
5	LP31477-001A	REMOTE LENS		300SE,300SEF,300SEK,300SER,400SE
6	LP31474-002A	WINDOW SCREEN		
7	LP31484-001A	FL SCREEN		
8	LP21376-004B	LID		300BE,300BEK
8	LP21376-003B	LID		300SE,300SEF,300SEK,300SER,400SE
9	LP21355-002A	LENS		300BE,300BEK
9	LP21355-001B	LENS		300SE,300SEF,300SEK,300SER,400SE
10	QYDSDF2005ZA	TAP SCREW	FOR LENS(x3)	
11	LP21353-009A	DOOR(R)		300BE
11	LP21353-016A	DOOR(R)		300BEK
11	LP21353-012A	DOOR(R)		300SEK
11	LP21353-013A	DOOR(R)		300SER
11	LP21353-008A	DOOR(R)		300SE,300SEF,400SE
12	LP41219-001B	SPRING		
13	QZW0020-001	LATCH		
14	GN40020-002A	JVC MARK		
15	LP30002-0K1A	SPACER	(x2)	
△ 16	LP21361-004A	TOP COVER	(SERVICE)	300BE,300BEK
△ 16	LP21361-002A	TOP COVER	(SERVICE)	300SE,300SEF,300SEK,300SER,400SE
17	QYSDSGY3006MA	TAP SCREW	TOP SIDE(x4)	300BE,300BEK
17	QYSDSGY3006RA	TAP SCREW	TOP SIDE(x4)	300SE,300SEF,300SEK,300SER,400SE
18	QYSDSGY3006MA	TAP SCREW	TOP REAR(x5)	300BE,300BEK
18	QYSDSGY3006RA	TAP SCREW	TOP REAR(x5)	300SE,300SEF,300SEK,300SER,400SE
19	QYSBSF2608ZA	TAP SCREW	FRONT PWB(x8)	
20	LP31514-001B	EARTH PLATE	FRONT JACK	
21	LP30002-0K6A	SPACER	FRONT JACK	
22	LP21348-201B	FITTING(DVD)	JR4/JR5	
23	QYSSST3006ZA	TAP SCREW	F.P BOTTOM(x2)	
△ 24	LP10578-001A	BOTTOM CHASSIS		
△ 25	LP21362-015A	REAR PANEL		300SER
△ 25	LP21362-009A	REAR PANEL		300BE,300BEK,300SE,300SEF,300SEK,400SE
26	QYSDSF3008MA	TAP SCREW	FAN(x2)	
27	QAR0349-001	COOLING FAN		
28	LP30002-0K1A	SPACER	FOOT(x2)	
△ 29	LP31485-001A	PROTECT SHEET		
△ 30	LV44381-001A	BARRIER		
31	QYSDSG3008ZA	TAP SCREW	SIDE(x2)	
32	LP21364-001A	DVD BKT	JR4/JR5	
33	LP30002-0L4A	SPACER	DRIVE	
34	QYSDST3006ZA	TAP SCREW	DRIVE(x4)	
35	QYSBSGG3006ZA	TAP SCREW	DVD BKT(x4)	
36	QYSBSGG3006ZA	TAP SCREW	MAIN PWB(x6)	
37	QYSBSGG3006ZA	TAP SCREW	DIGI PWB(x4)	
38	QYSBSGG3006ZA	TAP SCREW	FL PWB(x2)	
39	QYSBSGG3006ZA	TAP SCREW	DV PWB	
40	QYSBSGY3008MA	TAP SCREW	JACK(x7)	
41	QYSBST3004MA	TAP SCREW	TUNER	
42	QYSBSGG3006ZA	TAP SCREW	HDMI BKT(x3)	
43	QYSBSGY3008MA	TAP SCREW	HDMI BKT	
44	QYSBST3004MA	TAP SCREW	HDMI JACK	
△ 45	QMPN330-170-K	POWER CORD	1.7m BLACK	300BEK,300SEK
△ 45	QMP4A10-170-K	POWER CORD	1.7m BLACK	300BE,300SE,300SEF,300SER,400SE
46	LP21366-001A	HDD BKT	HDD	
47	LP41279-001A	SPRING	HDD SCREW(x4)	
48	LP40278-007A	HDD	(SERVICE)	300SER
48	LP40278-006A	HDD	(SERVICE)	300BE,300BEK,300SE,300SEF,300SEK,400SE
49	LP41257-001A	DAMPER	HDD(x4)	
50	LP41220-001A	SPECIAL SCREW	HDD(x4)	
51	QYSBSGG3006ZA	TAP SCREW	HDD BKT(x4)	
52	QQR0491-001	FERRITE CORE	AC CORD	
53	LP41107-001A	GASKET	DVD TOP	
54	LP40769-001A	SPACER	FOR IC1401	
55	LC42166-001A	PC SUPPORT		
56	LP30002-0K7A	SPACER		
57	QQR1634-001	FERRITE CORE	HDD FFC(x2)	
58	LP30002-0F6A	SPACER	FFC F.CORE(x2)	
59	QZW0192-001	WIRE CLAMP	HDD BKT	
60	LP30002-0F6A	SPACER	R SIDE FFC	

△ Symbol No.	Part No.	Part Name	Description	Local
△ 61	QAL0704-002	DRIVE UNIT		
62	QGZ0025A1-40	CONNECTOR	(1-40)(x2)	
WR 1	QUQL05-4040AH-E	FFC WIRE	DRIVE-DIGITAL CN2201	
WR 2	QUQL05-4011AH-E	FFC WIRE	HDD-DIGITAL CN2101	
WR 3	QUQ210-1910CJ-E	FFC WIRE	MAIN CN4103-DIGITAL CN1103	
WR 4	QUQ112-1112CJ-E	FFC WIRE	MAIN CN4001-SW/JACK CN7102	
WR 5	QUQ112-1009CG-E	FFC WIRE	DISPLAY CN7003-OPERATION CN7103	
WR 6	QUQ112-1016CG-E	FFC WIRE	DISPLAY CN7002-SW/JACK CN7101	
WR 7	QJJ032-041814-E	SIN CR C-C WIRE	DRIVE-MAIN CN5302	
WR 8	QJJ032-042614-E	SIN CR C-C WIRE	HDD-MAIN CN5304	
WR 9	QJJ015-044024-E	SIN CR C-C WIRE	MAIN CN3004-HDMI CN2404	

Electrical parts list

Main board

Block No. [0][3]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10284-09C1	MAIN BOARD ASSY		300SEF
PW1	LPA10284-10C1	MAIN BOARD ASSY		300BEK,300SEK
PW1	LPA10284-32C1	MAIN BOARD ASSY		300SER
PW1	LPA10284-08C1	MAIN BOARD ASSY		300BE,300SE,400SE
IC3001	MN101D10GDK	IC(MCU)	MASK	
IC3002	IC-PST3425U-X	IC		
IC3004	LPN0994-003B-33	IC(EEPROM)	*(REFER TO BELOW)	300SEF
IC3004	LPN0994-002B-32	IC(EEPROM)	*(REFER TO BELOW)	300BEK,300SEK
IC3004	LPN0994-004B-37	IC(EEPROM)	*(REFER TO BELOW)	300SER
IC3004	LPN0994-001B-31	IC(EEPROM)	*(REFER TO BELOW)	300BE,300SE,400SE
IC4001	BH7623KS2	IC		
IC4201	LC74793-E	IC		
IC4202	MM1504XN-X	IC		
IC4301	LA7357M-E-W	IC		300SEF
IC4304	74HC4538D-X	IC		300SEF
IC5101	STR-G6653-F9	IC		
IC5301	TL431/A-T	IC		
IC5301	or MM1431AT-T	IC		
IC5301	or UTCTL431-T	IC		
IC5302	MM1665AH-X	IC		
IC5303	MM1689BH-X	IC		
IC5308	R1171S501B-X	IC		
IC7301	BH7868FS-X	IC		
IC7302	MM1508XN-X	IC		
IC7303	TC74HC4053AF-XE	IC		
IC7303	or CD74HC4053NS-X	IC		
IC7304	MM1501XN-X	IC		
IC8001	AK5366VQ-W	IC		
IC8201	AK4385VT-X	IC		
IC8201	or AK4385ET-X	IC		
IC8202	RC4558D-X	IC		
IC8301	LA7151-E	IC		
IC8302	LA7151-E	IC		
IC8303	RC4558D-X	IC		
IC8501	SN74LV08APW-X	IC		
Q3004	2SD601A/QRS/-X	TRANSISTOR		
Q3004	or 2SC2412K/QRS/-X	TRANSISTOR		
Q3004	or 2SC3928A/QRS/-X	TRANSISTOR		
Q3005	UN2211-X	TRANSISTOR		
Q3005	or DTC114EKA-X	DIGI TRANSISTOR		
Q3005	or RT1N141C-X	DIGI TRANSISTOR		
Q3007	UN221E-X	TRANSISTOR		
Q3007	or DTC144WKA-X	DIGI TRANSISTOR		
Q3007	or RT1N44HC-X	DIGI TRANSISTOR		
Q4001	2SB709A/QR/-X	TRANSISTOR		
Q4001	or 2SA1037AK/QR/-X	TRANSISTOR		
Q4001	or 2SA1530A/QR/-X	TRANSISTOR		
Q4101	2SD2144S/UV/-T	TRANSISTOR		
Q4101	or 2SC3576-JVC-T	TRANSISTOR		
Q4201	2SD601A/QRS/-X	TRANSISTOR		
Q4201	or 2SC2412K/QRS/-X	TRANSISTOR		
Q4201	or 2SC3928A/QRS/-X	TRANSISTOR		
Q4302	2SB709A/QR/-X	TRANSISTOR		300SEF
Q4302	or 2SA1037AK/QR/-X	TRANSISTOR		300SEF
Q4302	or 2SA1530A/QR/-X	TRANSISTOR		300SEF
Q4303	2SB709A/QR/-X	TRANSISTOR		300SEF
Q4303	or 2SA1037AK/QR/-X	TRANSISTOR		300SEF
Q4303	or 2SA1530A/QR/-X	TRANSISTOR		300SEF
Q5301	2SC3576-JVC-T	TRANSISTOR		
Q5301	or 2SD2144S/UV/-T	TRANSISTOR		
Q5302	UN2111-X	TRANSISTOR		
Q5302	or DTA114EKA-X	DIGI TRANSISTOR		
Q5302	or RT1P141C-X	DIGI TRANSISTOR		
Q5303	UN2211-X	TRANSISTOR		
Q5303	or DTC114EKA-X	DIGI TRANSISTOR		
Q5303	or RT1N141C-X	DIGI TRANSISTOR		
Q5304	2SA1585S/QR/-T	TRANSISTOR		
Q5305	UN2211-X	TRANSISTOR		
Q5305	or DTC114EKA-X	DIGI TRANSISTOR		
Q5305	or RT1N141C-X	DIGI TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local
Q5306	2SA1585S/QR/-T	TRANSISTOR		
Q5307	2SA1585S/QR/-T	TRANSISTOR		
Q5308	UN2111-X	TRANSISTOR		
Q5308	or DTA114EKA-X	DIGI TRANSISTOR		
Q5308	or RT1P141C-X	DIGI TRANSISTOR		
Q5309	UN2211-X	TRANSISTOR		
Q5309	or DTC114EKA-X	DIGI TRANSISTOR		
Q5309	or RT1N141C-X	DIGI TRANSISTOR		
Q5310	2SD1858/QR/-T	TRANSISTOR		
Q5311	UN2211-X	TRANSISTOR		
Q5311	or DTC114EKA-X	DIGI TRANSISTOR		
Q5311	or RT1N141C-X	DIGI TRANSISTOR		
Q5312	UN2211-X	TRANSISTOR		
Q5312	or DTC114EKA-X	DIGI TRANSISTOR		
Q5312	or RT1N141C-X	DIGI TRANSISTOR		
Q5313	2SD601A/QRS/-X	TRANSISTOR		
Q5313	or 2SC2412K/QRS/-X	TRANSISTOR		
Q5313	or 2SC3928A/QRS/-X	TRANSISTOR		
Q5314	UN2111-X	TRANSISTOR		
Q5314	or DTA114EKA-X	DIGI TRANSISTOR		
Q5314	or RT1P141C-X	DIGI TRANSISTOR		
Q5315	UN2211-X	TRANSISTOR		
Q5315	or DTC114EKA-X	DIGI TRANSISTOR		
Q5315	or RT1N141C-X	DIGI TRANSISTOR		
Q5316	2SC3576-JVC-T	TRANSISTOR		
Q5316	or 2SD2144S/UV/-T	TRANSISTOR		
Q6030	2SB709A/QR/-X	TRANSISTOR		
Q6030	or 2SA1037AK/QR/-X	TRANSISTOR		
Q6030	or 2SA1530A/QR/-X	TRANSISTOR		
Q6031	UN2211-X	TRANSISTOR		
Q6031	or DTC114EKA-X	DIGI TRANSISTOR		
Q6031	or RT1N141C-X	DIGI TRANSISTOR		
Q7301	2SD601A/QRS/-X	TRANSISTOR		
Q7301	or 2SC2412K/QRS/-X	TRANSISTOR		
Q7301	or 2SC3928A/QRS/-X	TRANSISTOR		
Q7302	2SD601A/QRS/-X	TRANSISTOR		
Q7302	or 2SC2412K/QRS/-X	TRANSISTOR		
Q7302	or 2SC3928A/QRS/-X	TRANSISTOR		
Q7310	2SB709A/QR/-X	TRANSISTOR		
Q7310	or 2SA1037AK/QR/-X	TRANSISTOR		
Q7310	or 2SA1530A/QR/-X	TRANSISTOR		
Q7311	2SB709A/QR/-X	TRANSISTOR		
Q7311	or 2SA1037AK/QR/-X	TRANSISTOR		
Q7311	or 2SA1530A/QR/-X	TRANSISTOR		
Q7312	UN221E-X	TRANSISTOR		
Q7312	or DTC144WKA-X	DIGI TRANSISTOR		
Q7312	or RT1N44HC-X	DIGI TRANSISTOR		
Q7313	UN2211-X	TRANSISTOR		
Q7313	or DTC114EKA-X	DIGI TRANSISTOR		
Q7313	or RT1N141C-X	DIGI TRANSISTOR		
Q7314	UN221E-X	TRANSISTOR		
Q7314	or DTC144WKA-X	DIGI TRANSISTOR		
Q7314	or RT1N44HC-X	DIGI TRANSISTOR		
Q7315	UN2215-X	TRANSISTOR		
Q7315	or DTC114TKA-X	TRANSISTOR		
Q7315	or RT1N140C-X	DIGI TRANSISTOR		
Q7316	2SB709A/QR/-X	TRANSISTOR		
Q7316	or 2SA1037AK/QR/-X	TRANSISTOR		
Q7316	or 2SA1530A/QR/-X	TRANSISTOR		
Q7317	2SB709A/QR/-X	TRANSISTOR		
Q7317	or 2SA1037AK/QR/-X	TRANSISTOR		
Q7317	or 2SA1530A/QR/-X	TRANSISTOR		
Q7321	UN221T-X	DIGI TRANSISTOR		
Q7321	or DTC124XKA-X	DIGI TRANSISTOR		
Q7321	or RT1N242C-X	DIGI TRANSISTOR		
Q7451	2SC2412K/QRS/-X	TRANSISTOR		300BE,300BEK,300SE,300SEF,300SEK,400SE
Q7451	or 2SD601A/QRS/-X	TRANSISTOR		300BE,300BEK,300SE,300SEF,300SEK,400SE
Q7451	or 2SC3928A/QRS/-X	TRANSISTOR		300BE,300BEK,300SE,300SEF,300SEK,400SE
Q7452	2SA720/QR/-T	TRANSISTOR		300BE,300BEK,300SE,300SEF,300SEK,400SE
Q8201	UN221E-X	TRANSISTOR		
Q8201	or DTC144WKA-X	DIGI TRANSISTOR		
Q8201	or RT1N44HC-X	DIGI TRANSISTOR		
Q8202	UN211E-X	DIGI TRANSISTOR		
Q8202	or DTA144WKA-X	TRANSISTOR		

3-6(No.YD089) After exchanging EEPROMs, a main part does not correspond to some remote control commands at Jig RCU mode.
Please cancel the Jig RCU mode of a main part after exchanging EEPROMs. Please refer to the "Canceling JIG mode" about the release method.

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
Q8202	or RT1P44HC-X	DIGI TRANSISTOR			D8001	MA8030/H/-X	Z DIODE		
Q8203	2SC2412K/QRS/-X	TRANSISTOR			D8001	or UDZS3.0B-X	Z DIODE		
Q8203	or 2SD601A/QRS/-X	TRANSISTOR			△ PC5101	PS2581AL1/QW/	PHOTO COUPLER		
Q8203	or 2SC3928A/QRS/-X	TRANSISTOR			C3001	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
Q8205	2SC2412K/QRS/-X	TRANSISTOR			C3011	QETL0JM-478	E CAPACITOR	4700uF 6.3V M	
Q8205	or 2SD601A/QRS/-X	TRANSISTOR			C3020	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
Q8205	or 2SC3928A/QRS/-X	TRANSISTOR			C3021	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8301	2SC2412K/QRS/-X	TRANSISTOR			C3024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q8301	or 2SD601A/QRS/-X	TRANSISTOR			C3029	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
Q8301	or 2SC3928A/QRS/-X	TRANSISTOR			C3030	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
Q8302	2SC2412K/QRS/-X	TRANSISTOR			C3031	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
Q8302	or 2SD601A/QRS/-X	TRANSISTOR			C3032	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
Q8302	or 2SC3928A/QRS/-X	TRANSISTOR			C3033	QAT3725-300Z	TRIM CAPACITOR	30pF TIMER CLOCK	300BE,300SE,30 0SER,400SE 300BEK,300S EF,300SEK
D3002	1SS133-T2	SI DIODE			C3034	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
D3002	or 1SS270A-T2	SI DIODE			C3035	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
D3003	MTZJ39C-T2	Z DIODE			C3037	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D3004	10EDB20-T2	SI DIODE			C3039	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D3005	10EDB20-T2	SI DIODE			C3040	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D3008	1SS355-X	SI DIODE			C3041	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D3008	or MA111-X	SI DIODE			C3042	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
D4001	DA204U-X	SI DIODE			C4001	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D4002	DA204U-X	SI DIODE			C4003	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D4301	1SS133-T2	SI DIODE	300SEF		C4005	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5001	D3SBA60	DIODE			C4007	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5001	or GBJ4J	BRIDGE DIODE			C4009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5101	SARS01-T2	SI DIODE			C4010	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5103	1F4G-T2	FR DIODE			C4011	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5103	or 10ERB20-T2	FR DIODE			C4013	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D5103	or 1F4G-G-T2	FR DIODE			C4014	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5104	1SS133-T2	SI DIODE			C4016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5104	or 1SS270A-T2	SI DIODE			C4017	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5105	1F4G-T2	FR DIODE			C4019	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5105	or 10ERB40-T2	FR DIODE			C4021	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
D5105	or 1F4G-G-T2	FR DIODE			C4022	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5106	1F4G-T2	FR DIODE			C4023	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5106	or 10ERB20-T2	FR DIODE			C4024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5106	or 1F4G-G-T2	FR DIODE			C4025	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5201	1F4G-T2	FR DIODE			C4026	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5201	or 10ERB20-T2	FR DIODE			C4028	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5201	or 1F4G-G-T2	FR DIODE			C4030	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5202	1F4G-T2	FR DIODE			C4032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5202	or 10ERB20-T2	FR DIODE			C4033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5202	or 1F4G-G-T2	FR DIODE			C4035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
D5203	RL2Z-LFB2	FR DIODE			C4036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
D5203	or UF202G-F26	FR DIODE			C4042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5204	RL2Z-LFB2	FR DIODE			C4044	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D5204	or UF202G-F26	FR DIODE			C4047	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5205	RK34-LFB2	SB IODE			C4065	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D5206	RK34-LFB2	SB IODE			C4109	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D5207	1F4G-T2	FR DIODE			C4110	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
D5207	or 10ERB20-T2	FR DIODE			C4201	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
D5207	or 1F4G-G-T2	FR DIODE			C4202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5208	RK34-LFB2	SB IODE			C4203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5209	RK34-LFB2	SB IODE			C4204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5210	RK34-LFB2	SB IODE			C4205	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
D5211	1F4G-T2	FR DIODE			C4206	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
D5211	or 10ERB20-T2	FR DIODE			C4207	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
D5211	or 1F4G-G-T2	FR DIODE			C4208	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
D5214	RK34-LFB2	SB IODE			C4209	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
D5301	MTZJ15C-T2	Z DIODE			C4210	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
D5302	1SS133-T2	SI DIODE			C4216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5302	or 1SS270A-T2	SI DIODE			C4217	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5303	MTZJ27C-T2	Z DIODE			C4218	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5309	MTZJ5.6C-T2	Z DIODE			C4301	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
D5310	1A3G-T2	SI DIODE			C4302	QERF1CM-476Z	E CAPACITOR	47uF 16V M	300SEF
D5310	or 10EDB20-T2	SI DIODE			C4304	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
D5310	or 1G3-T2	SI DIODE			C4305	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
D5314	1A3G-T2	SI DIODE			C4306	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
D5314	or 10EDB20-T2	SI DIODE			C4307	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
D5314	or 1G3-T2	SI DIODE			C4308	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
D5315	MTZJ12B-T2	Z DIODE			C4309	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	300SEF
D5320	1S4-T2	SB DIODE			C4310	NDC31HJ-471X	C CAPACITOR	470pF 50V J	300SEF
D5320	or SB040-T2	SB DIODE			C4318	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	300SEF
D6002	HZ30-2L-T2	Z DIODE			C4319	NDC31HJ-471X	C CAPACITOR	470pF 50V J	300SEF
D7304	1SS133-T2	SI DIODE	300BE,300BEK,300SE,300SEF,300SEK,400SE						
D7451	DA204U-X	SI DIODE	300BE,300BEK,300SE,300SEF,300SEK,400SE						
D7453	DA204U-X	SI DIODE	300BE,300BEK,300SE,300SEF,300SEK,400SE						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
△ C5001	QFZ9075-683	MPP CAPACITOR	0.068uF AC275V M		C7340	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
△ C5002	QFZ9075-223	MPP CAPACITOR	0.022uF AC275V M		C7341	NDC31HJ-470X	C CAPACITOR	470pF 50V J	
C5003	QEZO374-107	E CAPACITOR	100uF 400V M		C7345	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
△ C5004	QCZ9079-222	C CAPACITOR	2200pF AC250V M		C7346	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
△ C5005	QCZ9079-101	C CAPACITOR	100pF AC250V K		C7347	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C5102	QCZ0349-472Z	C CAPACITOR	SNUBBER		C7350	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C5103	QEZO619-276Z	E CAPACITOR	27uF		C7351	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C5104	QCZ0136-471Z	C CAPACITOR	470pF 1kV K		C7352	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C5105	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J		C7353	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C5106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C7357	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5107	NDC31HJ-121X	C CAPACITOR	120pF 50V J		C7359	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C5201	QEZO562-227Z	E CAPACITOR	220uF 6.3V M		C7365	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C5202	QEZO620-186Z	E CAPACITOR	18uF		C7366	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C5203	QEZO701-128	E CAPACITOR	1200uF		C7367	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C5204	QEZO701-128	E CAPACITOR	1200uF		C7368	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C5205	QEMT1AM-398	E CAPACITOR	3900uF 10V M		C7371	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C5207	QETN2AM-475Z	E CAPACITOR	4.7uF 100V M		C7388	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C5208	QEZO700-158	E CAPACITOR	1500uF 10V K		C7390	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C5209	QEMT1AM-338	E CAPACITOR	3300uF 10V M		C7451	NDC31HJ-101X	C CAPACITOR	100pF 50V J	300BE,300BEK,300SE,300SEF,300SEK,400SE
C5210	QEZO620-186Z	E CAPACITOR	18uF		C7452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	300BE,300BEK,300SE,300SEF,300SEK,400SE
C5301	QFVF1HJ-154Z	MF CAPACITOR	0.15uF 50V J		C7453	NDC31HJ-101X	C CAPACITOR	100pF 50V J	300BE,300BEK,300SE,300SEF,300SEK,400SE
C5302	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J		C7454	NDC31HJ-101X	C CAPACITOR	100pF 50V J	300BE,300BEK,300SE,300SEF,300SEK,400SE
C5304	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C7455	NDC31HJ-101X	C CAPACITOR	100pF 50V J	300BE,300BEK,300SE,300SEF,300SEK,400SE
C5305	QETN1AM-107Z	E CAPACITOR	100uF 10V M		C7456	NDC31HJ-101X	C CAPACITOR	100pF 50V J	300BE,300BEK,300SE,300SEF,300SEK,400SE
C5307	QETN1AM-107Z	E CAPACITOR	100uF 10V M		C8005	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C5308	QETN1AM-107Z	E CAPACITOR	100uF 10V M		C8007	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C5309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C8008	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C5310	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C8009	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C5312	QETN1AM-107Z	E CAPACITOR	100uF 10V M		C8010	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C5313	NCB11AK-475X	C CAPACITOR	4.7uF 10V K		C8011	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C5314	NCB11AK-475X	C CAPACITOR	4.7uF 10V K		C8012	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C5315	QETN1AM-477Z	E CAPACITOR	470uF 10V M		C8014	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C5320	NCB31AK-105X	C CAPACITOR	1uF 10V K		C8021	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5322	NCB31AK-105X	C CAPACITOR	1uF 10V K		C8022	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5323	NCB31AK-105X	C CAPACITOR	1uF 10V K		C8023	QERF0JM-107Z	E CAPACITOR	100uF 6.3V M	
C5324	NCB31HK-471X	C CAPACITOR	470pF 50V K		C8024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5325	QETN1HM-226Z	E CAPACITOR	22uF 50V M		C8025	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5328	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C8026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5329	QETN1AM-227Z	E CAPACITOR	220uF 10V M		C8027	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C5330	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C8028	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5331	QETN1CM-477Z	E CAPACITOR	470uF 16V M		C8029	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5333	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5334	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8202	QETJ0JM-477Z	E CAPACITOR	470uF 6.3V M	
C5335	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8203	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C5336	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8204	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C5351	QETN1CM-108Z	E CAPACITOR	1000uF 16V M		C8205	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C5352	NCB31AK-105X	C CAPACITOR	1uF 10V K		C8206	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C5353	NCB11AK-106X	C CAPACITOR	10uF 10V K		C8207	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C5354	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		C8208	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C5355	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		C8209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6012	QETJ1AM-227Z	E CAPACITOR	220uF 10V M		C8210	QETJ1CM-107Z	E CAPACITOR	100uF 16V M	
C6014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C8211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6037	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	300SEF	C8212	QETJ1CM-107Z	E CAPACITOR	100uF 16V M	
C6831	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M		C8215	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C6832	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M		C8217	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C7202	QETJ0JM-337Z	E CAPACITOR	330uF 6.3V M	300BE,300BEK,300SE,300SEF,300SEK,400SE	C8301	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C7301	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C8303	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7303	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8304	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7307	QEKJ0JM-226Z	E CAPACITOR	22uF 6.3V M		C8305	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7308	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8306	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7309	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8307	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7310	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8308	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C8311	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C7312	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C8313	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7314	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8314	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7315	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M		C8315	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7316	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8316	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7317	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8317	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7318	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8318	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7319	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8321	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C7330	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C8322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7331	NCB31HK-102X	C CAPACITOR	1000pF 50V K						
C7332	NCB31HK-681X	C CAPACITOR	680pF 50V K						
C7333	NCB31HK-681X	C CAPACITOR	680pF 50V K						
C7336	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C8323	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M		R3218	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C8324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3219	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C8501	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M		R3220	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C8502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3221	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C8503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R3222	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C8504	NDC31HJ-151X	C CAPACITOR	150pF 50V J		R3223	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C8505	NDC31HJ-331X	C CAPACITOR	330pF 50V J		R3224	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C8506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3225	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
					R3226	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3005	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R3231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3233	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R3235	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3242	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3014	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R4003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3015	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R4005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3016	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3017	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3018	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R4008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3025	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4017	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3026	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R4021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3027	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R4104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4105	NRSA02J-105X	MG RESISTOR	1MΩ 1/10W J	
R3031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4203	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3032	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3035	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4206	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R4209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3045	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R4210	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3049	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4211	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3050	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R4215	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4217	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4304	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	300SEF
R3055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4305	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	300SEF
R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4306	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	300SEF
R3057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	300SEF
R3058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4308	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	300SEF
R3059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4309	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	300SEF
R3060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4310	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	300SEF
R3061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4311	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	300SEF
R3062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	300SEF
R3065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R4314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE, 300BEK, 300SE, 300SEF, 300SEH, 400SE
R3067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4317	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	300SEF
R3068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4318	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	300SEF
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R4319	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	300SEF
R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5101	QRG02GJ-683	OMF RESISTOR	68kΩ 2W J	
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5102	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R3074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5103	QRE141J-684Y	C RESISTOR	680kΩ 1/4W J	
R3075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5104	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3076	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R5105	QRE141J-820Y	C RESISTOR	82Ω 1/4W J	
R3083	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R5106	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3084	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R5107	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5108	QRT01DJ-R33X	MF RESISTOR	0.33Ω 1W J	
R3088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		△ R5109	QRZ9005-470X	FUSI RESISTOR	47Ω 1/4W G	
R3089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5303	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3092	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5304	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	
R3093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5305	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R3094	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5306	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R3100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		△ R5307	QRZ9005-221X	FUSI RESISTOR	220Ω 1/4W G	
R3201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R5308	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R3202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R5309	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R3204	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R5310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3205	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R5311	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R5312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3207	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R5313	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3209	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R5318	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3213	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		R5319	QRE141J-150Y	C RESISTOR	15Ω 1/4W J	
R3214	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R5320	QRE123J-101X	C RESISTOR	100Ω 1/2W J		R7456	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R5321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7457	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R5322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7458	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R5323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R7459	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE
R5324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8001	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R5332	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J		R8002	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
R5333	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R8007	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5334	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R8008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5335	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R8013	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R8014	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5337	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5341	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R8016	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8017	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R6021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8019	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R6030	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R8020	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R6031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8021	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R6032	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	300SEF	R8022	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R6033	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	300SEF	R8023	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R6080	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R8024	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R7204	QRE121J-151Y	C RESISTOR	150Ω 1/2W J	300BE,300BEK,300SE,300SEF,300SEK,400SE	R8026	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R7301	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R8031	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R7302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R8032	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R7303	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R8033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7304	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R8034	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7305	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R8035	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R8036	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R7311	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J		R8037	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R7312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R8038	QRE141J-151Y	C RESISTOR	150Ω 1/4W J	
R7314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R8040	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R8042	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7318	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D		R8044	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R7319	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D		R8045	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7320	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D		R8201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7321	QRE141J-271Y	C RESISTOR	270Ω 1/4W J		R8202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7322	QRE141J-271Y	C RESISTOR	270Ω 1/4W J		R8203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7336	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8205	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R7337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8206	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7338	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8211	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R7339	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		R8212	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R7340	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R8213	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R7341	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8214	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R7342	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8215	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R7343	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R8216	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R7344	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D		R8217	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R7345	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D		R8218	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R7346	NRSA63D-680X	MG RESISTOR	68Ω 1/16W D		R8219	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R7347	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D		R8220	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R7348	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R8221	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R7349	QRE121J-331Y	C RESISTOR	330Ω 1/2W J		R8222	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R7350	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R8223	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7351	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R8224	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7352	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R8233	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8234	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7354	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8241	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7355	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8242	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7356	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8244	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7357	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R8249	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7358	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R8250	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7359	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R8252	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7360	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R8301	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7361	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R8302	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7362	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R8303	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7365	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R8304	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7366	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R8305	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7367	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R8306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7368	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8307	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7378	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J		R8308	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7451	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE	R8310	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7452	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE	R8313	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7453	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE	R8315	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7454	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE	R8316	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R7455	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,400SE	R8321	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
					R8322	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
					R8323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R8324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		GN5	QNZ0136-001Z	EARTH PLATE		
R8325	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		HS1	QZW0155-001	HEAT SINK	FOR IC5101	
R8326	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		J7301	QNZ0516-001	RGB CONNECTOR	AV1	
R8501	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J		J7302	QNZ0516-001	RGB CONNECTOR	AV2	
R8502	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		J7304	QNN0701-001	PIN JACK	AUDIO OUT	
R8503	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		J7309	QNN0700-001	PIN JACK	COMPONENT	
R8504	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J		J7451	QNS0259-001	3.5 JACK	GLINK/SAT	300BE,300BEK,300SE,3 00SEF,300SEK,400SE
R8505	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		J8501	QNN0347-001	SURROUND JACK COAX		
R8506	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		K8501	NQR0227-004X	FERRITE BEADS		
R8507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		△ LF5001	QQR1031-001	LINE FILTER		
L3001	QQL231J-R22Y	COIL	0.22uH J		ST5	QZW0007-001	POST PIN		
L4001	QQL29BJ-100Z	P COIL	10uH J		TU6001	QAU0402-002	TUNER	EF TUNER	300SEF
L4002	QQL29BJ-100Z	P COIL	10uH J		TU6001	QAU0401-001	TUNER	RF CONV LE	300BE,300BEK,300SE,3 00SEF,300SEK,400SE
L4005	QQL29BJ-100Z	P COIL	10uH J		W1	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L4201	QQL29BJ-100Z	P COIL	10uH J		W2	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L4301	QQL29BJ-100Z	P COIL	10uH J	300SEF	W3	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L5202	QQL26AK-330Z	COIL	33uH K		W4	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L5203	QQL26AK-330Z	COIL	33uH K		W5	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L5205	QQL26AK-330Z	COIL	33uH K		W6	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L5206	QQL26AK-330Z	COIL	33uH K		W8	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L6002	QQL29BK-1R0Z	P COIL	1uH K		W9	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L6003	QQL29BK-1R0Z	P COIL	1uH K		W10	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300SEF
L6005	QQL231J-5R6Y	COIL	5.6uH J		W14	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300SEF
L6701	QQL29BJ-220Z	P COIL	22uH J		W15	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300SEF
L7201	QQL29BJ-101Z	P COIL	100uH J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W16	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7302	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W17	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7303	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W18	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7305	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W19	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7306	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W20	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7311	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W22	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7312	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W23	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
△ L8501	QQL071J-1R0Y	COIL	1uH J		W24	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
△ T5001	QQS0334-001	SW TRANSF			W25	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B5504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W26	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B5507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W27	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W28	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W29	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W30	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7315	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W31	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7319	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W32	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W33	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7340	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W34	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B7451	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W35	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B8003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,400SE	W36	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN3001	QGB1231M1-13	CONNECTOR	SW/DISPLAY		W37	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300SEF
CN3004	QGA2001C1-04	CONNECTOR	HDMI		W38	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN3901	QGF1207C1-08	CONNECTOR	FOR FLASH		W39	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN4001	QGF1207C1-11	CONNECTOR	FRONT IN		W40	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN4101	QGB1231M1-15	CONNECTOR	DIGITAL		W41	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN4102	QGB1231M1-15	CONNECTOR	DIGITAL		W42	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN4103	QGF1040C1-19	CONNECTOR	PIN1-19		W43	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
△ CN5001	QGA7901C3-02	CONNECTOR	AC_IN		W44	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN5301	QGA2501C1-04	CONNECTOR	DVD LG		W45	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN5303	QGA2001C1-02	CONNECTOR	FAN		W46	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN5304	QGA2501C1-04	CONNECTOR	HDD		W47	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN5305	-----	D/D CONV P ASSY	SEE D/D CONVERTER BOARD		W49	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN6701	-----	DEMOM BOARD ASSY	SEE DEMODULATOR BOARD		W50	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN7451	QGA2001C1-04	CONNECTOR	W-B (1-4)		W51	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
△ CP5302	QMFZ054-2R0X-J1	FUSE	2A		W52	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
△ F5001	QMF5AE2-1R6-J1	FUSE	1.6A AC250V		W53	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
FC5001	QNG0020-001Z	FUSE CLIP			W54	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
FC5002	QNG0020-001Z	FUSE CLIP			X3001	QAX0728-001	CRYSTAL	14.318180MHz	
GN1	QNZ0136-001Z	EARTH PLATE			X3002	QAX0444-001	CRYSTAL	32.768kHz	300BEK,300SEF,300SEK 300BE,300SE,30 0SER,400SE
GN2	QNZ0136-001Z	EARTH PLATE			X3002	QAX0445-001	CRYSTAL	32.768kHz	
GN3	QNZ0136-001Z	EARTH PLATE			X4201	QAX0849-001	CRYSTAL	4.433619MHz	
GN4	QNZ0136-001Z	EARTH PLATE			OT1	QYTDST3008ZA	TAP SCREW	M3 x 8mm IC5101	

Demodulator board

Block No. [1][4]				
△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10292-02A	DEMODULATOR BOARD ASSY		300SEF
PW1	LPA10292-01A	DEMODULATOR BOARD ASSY		300BE,300BEK,300SE,300SEK,300SER,400SE
IC6701	MSP3417QGGB8V3X	IC		
D6701	1SS133-T2	SI DIODE		
D6701	or 1SS270A-T2	SI DIODE		
C6704	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	300SEF
C6704	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	300BE,300BEK,300SE,300SEK,300SER,400SE
C6707	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C6708	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
C6709	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
C6713	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C6714	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6716	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6719	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C6720	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C6721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6723	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6724	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	300SEF
R6707	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6709	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6710	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6711	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6712	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6713	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6714	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6715	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6716	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6719	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R6720	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6721	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
B6701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B6702	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
B6703	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,300SEF,300SEK,300SER
CN6701	QGG2502K1-10	CONNECTOR	(1-10)	
K6701	NQR0129-003X	FERRITE BEADS		
K6702	NQR0129-003X	FERRITE BEADS		
K6705	NQR0129-003X	FERRITE BEADS		
K6706	NQR0129-003X	FERRITE BEADS		
K6707	NQR0129-003X	FERRITE BEADS		300SEF
K6708	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W6701	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
X6701	QAX0773-001Z	CRYSTAL	18.432000MHz	
OT1	LP40425-001A	BRACKET(PWB)		

Operation board

Block No. [2][6]				
△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-04A3	OPERATION BOARD ASSY		
IC7101	GP1UM281XKVF	IR DETECT UNIT		
IC7101	or PNA4652M00XB	IR DETECT UNIT	38kHz	
Q7101	2SC1740S/QRS-T	TRANSISTOR		
Q7101	or KTC3199/YG-T	TRANSISTOR		
D7101	1SS133-T2	SI DIODE		
D7101	or 1SS270A-T2	SI DIODE		
D7102	1SS133-T2	SI DIODE		

△ Symbol No.	Part No.	Part Name	Description	Local
D7102	or 1SS270A-T2	SI DIODE		
D7103	SDPB3DC0/Z1/	LED	HDD LED	
D7104	SDPC3DC0	LED	DVD LED	
D7105	1SS133-T2	SI DIODE		
D7105	or 1SS270A-T2	SI DIODE		
D7106	SDPB3DC0/Z1/	LED	BLUE LIGHT	
C7101	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
R7102	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R7103	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R7104	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R7105	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	
R7106	QRE141J-270Y	C RESISTOR	27Ω 1/4W J	
CN7103	QGF1208F1-10	CONNECTOR	FFC/FPC (1-10)	
S7101	QSW0381-001Z	TACT SWITCH	OPERATION	
S7102	QSW0381-001Z	TACT SWITCH	HDD	
S7103	QSW0381-001Z	TACT SWITCH	REC	
S7104	QSW0381-001Z	TACT SWITCH	DVD	
OT1	LP31478-001A	LED HOLDER	FOR D7106	
OT2	LP41267-001A	SHRINK TUBE	FOR LED	

Switch/Jack board

Block No. [2][7]				
△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-04A2	SWITCH/JACK BOARD ASSY		
D7113	1SS133-T2	SI DIODE		
D7113	or 1SS270A-T2	SI DIODE		
D7114	1SS133-T2	SI DIODE		
D7114	or 1SS270A-T2	SI DIODE		
D7115	1SS133-T2	SI DIODE		
D7115	or 1SS270A-T2	SI DIODE		
D7116	1SS133-T2	SI DIODE		
D7116	or 1SS270A-T2	SI DIODE		
D7117	1SS133-T2	SI DIODE		
D7117	or 1SS270A-T2	SI DIODE		
C7152	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C7154	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
R7151	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7152	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7153	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7154	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7155	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
CN7101	QGF1207C1-10	CONNECTOR	FFC/FPC (1-10)	
CN7102	QGF1207C1-11	CONNECTOR	FFC/FPC (1-11)	
J7001	QND0084-001	S JACK		
J7002	QNN0364-002	PIN JACK		
S7111	QSW0381-001Z	TACT SWITCH	NAVI	
S7112	QSW0381-001Z	TACT SWITCH	CH+/UP	
S7113	QSW0381-001Z	TACT SWITCH	CH-/DOWN	
S7114	QSW0381-001Z	TACT SWITCH	RIGHT/PLAY	
S7115	QSW0381-001Z	TACT SWITCH	LEFT/STOP	
S7131	QSW0381-001Z	TACT SWITCH	TV GUIDE	
S7132	QSW0381-001Z	TACT SWITCH	OPEN/CLOSE	
S7133	QSW0381-001Z	TACT SWITCH	STOP	
S7134	QSW0381-001Z	TACT SWITCH	PLAY	
S7135	QSW0381-001Z	TACT SWITCH	OK/REC	

Display board

Block No. [2][8]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-04A1	DISPLAY BOARD ASSY		
IC7001	PT6315	IC		
D7021	MTZJ9.1B-T2	Z DIODE		
C7001	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7002	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7003	QEKJ1HM-106Z	E CAPACITOR	10uF 50V M	
C7007	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7008	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C7010	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
C7011	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
R7001	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7002	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7003	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R7005	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R7006	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R7007	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7009	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7010	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7013	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7014	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7015	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
CN7001	QGB1231L1-13	CONNECTOR	B-B (1-13)	
CN7002	QGF1208F1-10	CONNECTOR	FFC/FPC (1-10)	
CN7003	QGF1207C1-10	CONNECTOR	FFC/FPC (1-10)	
DI7001	QLF0159-001	FL TUBE		
HD1	LP21359-001A	FL HOLDER(L)		
HD2	LP21360-001A	FL HOLDER(U)		

Jack board

Block No. [3][6]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-04A4	JACK BOARD ASSY		
CN4204	QGB1231M1-09	CONNECTOR	DIGITAL	
GN4201	QNZ0136-001Z	EARTH PLATE	FOR ESD	
J4212	QNZ0675-001	D CONNECTOR	FRONT DV TERMINAL	
K4207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
KA4201	NQR0577-001X	NOISE FILTER		
KA4202	NQR0577-001X	NOISE FILTER		

HDMI board

Block No. [4][0]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10301-01C	HDMI BOARD ASSY		
IC2401	SI9030CTU	IC(DIGITAL)		
IC2402	MM1563DF-X	IC		
IC2403	LD2981ABM50-X	IC		
IC2404	UM6K1N-W	MOS FET		
IC2405	PIC18LF2515A4-X	IC(MCU)		
IC2406	BH18MA3WHFV-W	IC		
Q2401	2SC4081/QRS/-X	TRANSISTOR		
Q2401	or 2SD1819A/QRS/-X	TRANSISTOR		
Q2402	2SC4081/QRS/-X	TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local
Q2402	or 2SD1819A/QRS/-X	TRANSISTOR		
Q2403	2SA1037AK/QR/-X	TRANSISTOR		
Q2403	or 2SA1530A/QR/-X	TRANSISTOR		
Q2403	or 2SB709A/QR/-X	TRANSISTOR		
Q2404	UN221E-X	TRANSTSTOR		
Q2404	or DTC144WKA-X	DIGI TRANSISTOR		
Q2404	or RT1N44HC-X	DIGI TRANSISTOR		
C2401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2403	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2404	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2405	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2406	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2407	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C2408	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2409	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2411	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2413	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2414	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2415	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C2416	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2418	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2419	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2420	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C2421	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C2422	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C2425	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2426	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2427	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2432	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2433	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
R2401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2405	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2406	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2407	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2408	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2409	NRSA63F-4750X	MG RESISTOR	475Ω 1/16W F	
R2410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2416	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2417	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2418	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2419	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2420	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2421	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2423	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2425	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2426	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2427	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2428	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2429	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2430	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2431	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R2432	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2433	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2434	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2435	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2436	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2437	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2438	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2440	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local
R2443	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2444	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2445	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2447	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2448	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2449	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2450	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2452	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2453	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2454	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2455	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2457	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2458	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2459	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2460	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2462	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2463	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2464	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L2401	NQL144K-100X	P COIL	10uH K	
CN2401	QGB0605L1-40W	CONNECTOR	B-B (1-40)	
CN2402	QGF1016C6-05W	CONNECTOR	FFC/FPC (1-5)	
CN2403	NNZ0099-001	HDMI CONNECTOR		
CN2404	QGA2001F6-04X	CONNECTOR	W-B (1-4)	
K2401	NQR0129-002X	FERRITE BEADS		
K2402	NQR0129-002X	FERRITE BEADS		
K2403	NQR0129-002X	FERRITE BEADS		
K2404	NQR0129-002X	FERRITE BEADS		
K2405	NQR0129-002X	FERRITE BEADS		
K2406	NQR0129-002X	FERRITE BEADS		
K2407	NQR0129-002X	FERRITE BEADS		
K2408	NQR0129-002X	FERRITE BEADS		
LF2401	NQR0560-001X	EMI FILTER		
LF2402	NQR0560-001X	EMI FILTER		
LF2403	NQR0560-001X	EMI FILTER		
LF2404	NQR0560-001X	EMI FILTER		
SD1	LP21420-001B	SHIELD CASE		
X2401	NAX0803-001X	CRYSTAL		

Digital board

Block No. [5][0]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10300-03C	DIGITAL BOARD ASSY		
IC1001	JCP8059-2	IC		
IC1002	HY57V161610ETP7	IC		
IC1002	or K4S161622H-UC60	IC		
IC1201	LPN0967-001A	IC(FLASH)	(SERVICE)	
IC1202	SN74LVC373APW-X	IC(DIGITAL)		
IC1203	SN74LVC373APW-X	IC(DIGITAL)		
IC1401	DMN8652-B0L	IC(DIGITAL)		
IC1404	SN74HCT08APW-X	IC		
IC1601	HY5DU561622DT-J	IC		
IC1602	HY5DU561622DT-J	IC		
IC1603	HY5DU561622DT-J	IC		
IC1604	HY5DU561622DT-J	IC		
IC1701	BD3533F-X	IC		
IC1801	TSB41AB1PAP	IC		
IC1901	TVP5150AM1PBS-W	IC		
Q1001	2SA1530A/QR/-X	TRANSISTOR		
Q1001	or 2SA1037AK/QR/-X	TRANSISTOR		
Q1001	or 2SB709A/QR/-X	TRANSISTOR		
Q1002	2SA1530A/QR/-X	TRANSISTOR		
Q1002	or 2SA1037AK/QR/-X	TRANSISTOR		
Q1002	or 2SB709A/QR/-X	TRANSISTOR		
Q1003	2SA1530A/QR/-X	TRANSISTOR		
Q1003	or 2SA1037AK/QR/-X	TRANSISTOR		
Q1003	or 2SB709A/QR/-X	TRANSISTOR		
Q1006	2SA1530A/QR/-X	TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local
Q1006	or 2SA1037AK/QR/-X	TRANSISTOR		
Q1006	or 2SB709A/QR/-X	TRANSISTOR		
Q1008	BC847PN-X	PAIR TRANSISTOR		
Q1008	or UMZ1N-W	PAIR TRANSISTOR		
Q1008	or BC846PN-X	PAIR TRANSISTOR		
Q1009	2SC3928A/QRS/-X	TRANSISTOR		
Q1009	or 2SC2412K/QRS/-X	TRANSISTOR		
Q1009	or 2SD601A/QRS/-X	TRANSISTOR		
Q1010	2SC3928A/QRS/-X	TRANSISTOR		
Q1010	or 2SC2412K/QRS/-X	TRANSISTOR		
Q1010	or 2SD601A/QRS/-X	TRANSISTOR		
Q1011	2SC3928A/QRS/-X	TRANSISTOR		
Q1011	or 2SC2412K/QRS/-X	TRANSISTOR		
Q1011	or 2SD601A/QRS/-X	TRANSISTOR		
Q1301	2SA1037AK/QR/-X	TRANSISTOR		
Q1301	or 2SA1530A/QR/-X	TRANSISTOR		
Q1301	or 2SB709A/QR/-X	TRANSISTOR		
Q1304	2SC2412K/QRS/-X	TRANSISTOR		
Q1304	or 2SC3928A/QRS/-X	TRANSISTOR		
Q1304	or 2SD601A/QRS/-X	TRANSISTOR		
D1001	1SS355-X	SI DIODE		
D1001	or MA111-X	SI DIODE		
D1401	1SS355-X	SI DIODE		
D1401	or MA111-X	SI DIODE		
D1402	1SS355-X	SI DIODE		
D1402	or MA111-X	SI DIODE		
D1403	1SS355-X	SI DIODE		
D1403	or MA111-X	SI DIODE		
D2101	SML-010LT-X	LED		
D2101	or SML-010MT-X	LED		
D2201	SML-010LT-X	LED		
D2201	or SML-010MT-X	LED		
C1001	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1002	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1007	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1010	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	
C1012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1019	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1034	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1035	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1036	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1041	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1043	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1046	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1047	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1048	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1049	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1050	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1051	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1055	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1065	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C1077	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1088	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1090	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1093	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1094	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1095	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1097	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1098	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1204	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C1301	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M		C1635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1307	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C1641	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1310	NCB31AK-224X	C CAPACITOR	0.22uF 10V K		C1642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1315	NDC31HJ-120X	C CAPACITOR	12pF 50V J		C1643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1316	NDC31HJ-120X	C CAPACITOR	12pF 50V J		C1644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		C1645	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1646	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1647	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1404	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M		C1648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1408	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1649	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1411	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M		C1701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1702	NEHM0JM-476X	E CAPACITOR	47uF 6.3V M	
C1413	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M		C1704	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1706	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1415	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1707	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C1417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1708	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1420	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C1709	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1710	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1801	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1424	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1802	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1427	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C1803	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1804	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1805	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1806	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1435	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		C1807	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1808	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1438	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1809	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1439	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1810	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1444	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1811	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1445	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1446	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1813	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1447	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1814	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1448	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C1815	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1816	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1453	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1901	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1454	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1455	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1457	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1459	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1906	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1460	NDC31HJ-120X	C CAPACITOR	12pF 50V J		C1907	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1461	NDC31HJ-120X	C CAPACITOR	12pF 50V J		C1908	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C1462	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1464	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1466	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1911	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1467	NCB31CK-104X	C CAPACITOR	0.1uF 16V K						
C1470	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1001	NRSA63D-301X	MG RESISTOR	300Ω 1/16W D	
C1471	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C1472	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1473	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C1474	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1601	NEX60GM-337X	E CAPACITOR	330uF 4V M		R1009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1606	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1016	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C1607	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1021	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
C1608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1022	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
C1609	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1024	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
C1610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1027	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
C1611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1028	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
C1612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1030	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1031	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1032	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1033	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C1617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1037	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D	
C1619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1039	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1620	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1040	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
C1622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1042	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1043	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
C1624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1046	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C1625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1050	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C1626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1051	NRSA63D-181X	MG RESISTOR	180Ω 1/16W D	
C1627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1054	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
C1628	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1056	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C1630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1057	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
C1631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1059	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C1632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1060	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C1633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1061	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C1634	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1064	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R2212	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		K1011	NQR0022-002X	FERRITE BEADS		
R2213	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		K1012	NQR0022-002X	FERRITE BEADS		
R2214	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		K1013	NQR0022-002X	FERRITE BEADS		
R2215	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		K1014	NQR0022-002X	FERRITE BEADS		
R2216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		K1015	NQR0022-002X	FERRITE BEADS		
RA1401	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1016	NQR0022-002X	FERRITE BEADS		
RA1402	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1019	NQR0022-005X	FERRITE BEADS		
RA1403	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1020	NQR0022-005X	FERRITE BEADS		
RA1404	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1021	NQR0022-002X	FERRITE BEADS		
RA1405	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1022	NQR0022-005X	FERRITE BEADS		
RA1406	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1023	NQR0022-002X	FERRITE BEADS		
RA1609	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1024	NQR0022-002X	FERRITE BEADS		
RA1610	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1025	NQR0022-002X	FERRITE BEADS		
RA1611	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1026	NQR0022-002X	FERRITE BEADS		
RA1612	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1027	NQR0022-002X	FERRITE BEADS		
RA1613	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1029	NQR0022-002X	FERRITE BEADS		
RA1614	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1030	NQR0022-002X	FERRITE BEADS		
RA1615	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1404	NQR0564-001X	FERRITE BEADS		
RA1616	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1406	NQR0564-001X	FERRITE BEADS		
RA1617	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1501	NQR0022-002X	FERRITE BEADS		
RA1618	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1502	NQR0022-002X	FERRITE BEADS		
RA1619	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1503	NQR0022-002X	FERRITE BEADS		
RA1620	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1504	NQR0022-002X	FERRITE BEADS		
RA1621	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1505	NQR0022-002X	FERRITE BEADS		
RA1622	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1506	NQR0022-002X	FERRITE BEADS		
RA1623	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1507	NQR0022-002X	FERRITE BEADS		
RA1624	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1508	NQR0022-002X	FERRITE BEADS		
RA1625	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1509	NQR0022-002X	FERRITE BEADS		
RA1626	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1510	NQR0022-002X	FERRITE BEADS		
RA1627	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1511	NQR0022-002X	FERRITE BEADS		
RA1628	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1512	NQR0022-002X	FERRITE BEADS		
RA1629	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1513	NQR0022-002X	FERRITE BEADS		
RA1630	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1514	NQR0022-002X	FERRITE BEADS		
RA1631	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1515	NQR0022-002X	FERRITE BEADS		
RA1632	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1516	NQR0022-002X	FERRITE BEADS		
RA1633	NRZ0087-220W	NET RESISTOR	22Ω 1/15W J		K1517	NQR0022-002X	FERRITE BEADS		
RA1634	NRZ0087-101W	NET RESISTOR	100Ω 1/15W J		K1518	NQR0022-002X	FERRITE BEADS		
RA1801	NRZ0087-103W	NET RESISTOR	10kΩ 1/16W J		K1519	NQR0022-002X	FERRITE BEADS		
RA1802	NRZ0087-103W	NET RESISTOR	10kΩ 1/16W J		K1520	NQR0022-002X	FERRITE BEADS		
RA2101	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J		K1521	NQR0022-002X	FERRITE BEADS		
RA2102	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J		K1522	NQR0022-002X	FERRITE BEADS		
RA2103	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J		K1523	NQR0022-002X	FERRITE BEADS		
RA2104	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J		K1524	NQR0022-002X	FERRITE BEADS		
RA2208	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J		K1525	NQR0022-002X	FERRITE BEADS		
RA2209	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J		K1526	NQR0022-002X	FERRITE BEADS		
RA2210	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J		K1527	NQR0022-002X	FERRITE BEADS		
RA2211	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J		K1528	NQR0022-002X	FERRITE BEADS		
					K1529	NQR0022-002X	FERRITE BEADS		
L1001	NQL085J-100X	COIL	10uH J		K1701	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
T1801	NQR0568-005X	CHOKE COIL			K1702	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
					K1801	NQR0564-001X	FERRITE BEADS		
B1202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,300SER	K1803	NQR0564-001X	FERRITE BEADS		
B1208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,300SER	K2101	NQR0022-002X	FERRITE BEADS		
B1405	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	300BE,300BEK,300SE,3 00SEF,300SEK,300SER	K2102	NQR0022-002X	FERRITE BEADS		
B1701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,300SER	K2103	NQR0022-002X	FERRITE BEADS		
B1901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	300BE,300BEK,300SE,3 00SEF,300SEK,300SER	K2104	NQR0022-002X	FERRITE BEADS		
CN1101	QGB1231L2-15W	CONNECTOR	28PIN STR		K2105	NQR0022-002X	FERRITE BEADS		
CN1102	QGB1231L2-15W	CONNECTOR	20PIN STR		K2106	NQR0022-002X	FERRITE BEADS		
CN1103	QGF1016C6-19W	CONNECTOR	FFC/FPC (1-19)		K2107	NQR0022-002X	FERRITE BEADS		
CN1403	QGF1016C6-04W	CONNECTOR	LOG		K2108	NQR0022-002X	FERRITE BEADS		
CN1501	QGB0605M1-40W	CONNECTOR	B-B (1-40)		K2109	NQR0022-002X	FERRITE BEADS		
CN1801	QGB1231L2-09W	CONNECTOR	B-B (1-9)		K2110	NQR0022-002X	FERRITE BEADS		
CN2101	QGF0508C2-40W	CONNECTOR	HDD		K2111	NQR0022-002X	FERRITE BEADS		
CN2201	QGF0508C2-40W	CONNECTOR	F/T F_END		K2112	NQR0022-002X	FERRITE BEADS		
K1001	NQR0022-002X	FERRITE BEADS			K2113	NQR0022-002X	FERRITE BEADS		
K1002	NQR0022-002X	FERRITE BEADS			K2114	NQR0022-002X	FERRITE BEADS		
K1003	NQR0022-002X	FERRITE BEADS			K2115	NQR0022-002X	FERRITE BEADS		
K1004	NQR0022-002X	FERRITE BEADS			K2116	NQR0022-002X	FERRITE BEADS		
K1005	NQR0022-002X	FERRITE BEADS			K2117	NQR0022-002X	FERRITE BEADS		
K1006	NQR0022-002X	FERRITE BEADS			K2118	NQR0022-002X	FERRITE BEADS		
K1007	NQR0022-002X	FERRITE BEADS			K2119	NQR0022-002X	FERRITE BEADS		
K1008	NQR0022-002X	FERRITE BEADS			K2120	NQR0022-002X	FERRITE BEADS		
K1009	NQR0022-002X	FERRITE BEADS			K2121	NQR0022-002X	FERRITE BEADS		
K1010	NQR0022-002X	FERRITE BEADS			K2201	NQR0022-002X	FERRITE BEADS		
					K2202	NQR0022-002X	FERRITE BEADS		
					K2203	NQR0022-002X	FERRITE BEADS		
					K2204	NQR0022-002X	FERRITE BEADS		
					K2205	NQR0022-002X	FERRITE BEADS		

△ Symbol No.	Part No.	Part Name	Description	Local
K2206	NQR0022-002X	FERRITE BEADS		
K2207	NQR0022-002X	FERRITE BEADS		
K2208	NQR0022-002X	FERRITE BEADS		
K2209	NQR0022-002X	FERRITE BEADS		
K2210	NQR0022-002X	FERRITE BEADS		
K2211	NQR0022-002X	FERRITE BEADS		
K2212	NQR0022-002X	FERRITE BEADS		
K2213	NQR0022-002X	FERRITE BEADS		
K2214	NQR0022-002X	FERRITE BEADS		
K2215	NQR0022-002X	FERRITE BEADS		
K2216	NQR0022-002X	FERRITE BEADS		
K2217	NQR0022-002X	FERRITE BEADS		
K2218	NQR0022-002X	FERRITE BEADS		
K2219	NQR0022-002X	FERRITE BEADS		
K2220	NQR0022-002X	FERRITE BEADS		
K2221	NQR0022-002X	FERRITE BEADS		
LC1401	NQR0512-008X	EMI FILTER		
LC1402	NQR0512-008X	EMI FILTER		
LC1403	NQR0512-008X	EMI FILTER		
X1301	NAX0733-001X	CRYSTAL	14.31818MHz	
X1402	NAX0768-001X	CRYSTAL	13.5MHz	
X1801	NAX0666-001X	CRYSTAL	24.576000MHz	
OT1	QQR1624-001	FERRITE PLATE		

RGB_YC Converter board

Block No. [6][8]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10291-01B	RGB_YC CONVERTER BOARD ASSY		
IC4401	BH7236AF-X	IC		
IC4402	MM1503XN-X	IC		
IC4403	74HC4538D-X	IC		
IC4404	BA7666FS-X	IC		
D4401	RB717F-X	SB DIODE		
C4401	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4404	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4405	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4406	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4407	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C4409	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4410	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4412	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4413	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4418	NDC21HJ-103X	C CAPACITOR	0.01uF 50V J	
C4419	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C4420	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4422	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4423	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4424	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R4401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4402	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4403	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4404	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4405	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4411	NRSA63D-204X	MG RESISTOR	200kΩ 1/16W D	
R4412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4413	NRSA63D-753X	MG RESISTOR	75kΩ 1/16W D	
R4414	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R4415	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4416	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4417	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local
R4419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CN4402	QGG2502K1-12	CONNECTOR	(1-12)	
OT1	LP40425-001A	BRACKET(PWB)		

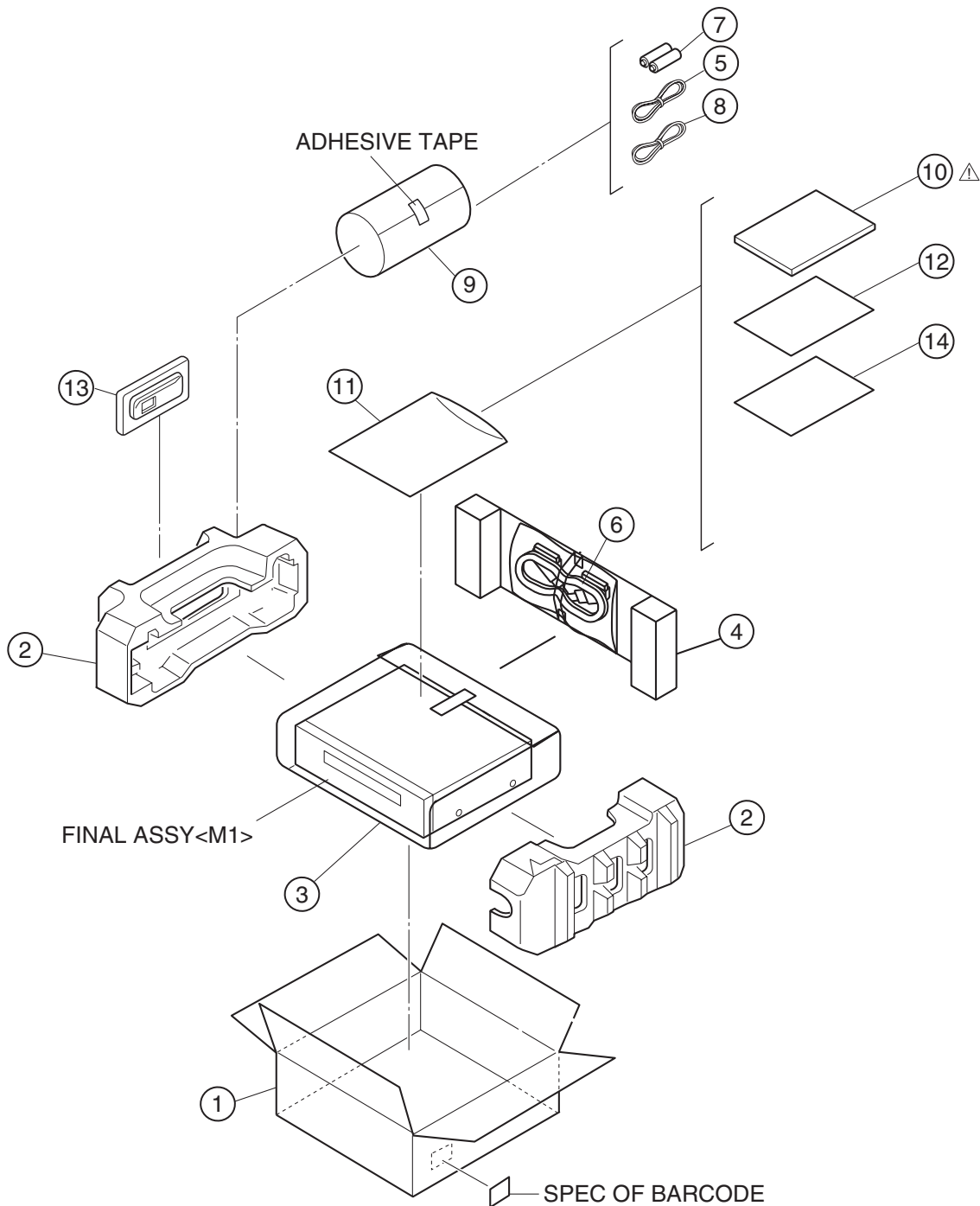
D/D Converter board

Block No. [0][2]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA20041-01A	D/D CONVERTER BOARD ASSY		
IC5701	BD9851EFV-X	IC		
IC5710	QS5U27-W	MOS FET		
Q5720	RTQ035P02-W	MOS FET		
D5710	RB520S-30-X	SB DIODE		
D5720	RB520S-30-X	SB DIODE		
D5721	RB051L-40-X	SB DIODE		
C5710	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C5711	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5712	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5713	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5714	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C5715	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5716	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C5720	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C5721	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5722	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5723	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5724	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C5725	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C5726	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C5730	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5731	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C5732	NCB31CK-223X	C CAPACITOR	0.022uF 16V K	
R5710	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5711	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5713	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5721	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5723	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5730	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5731	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5732	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L5710	NQL82EN-100X	COIL	10uH N	
L5720	NQR0562-001X	CHOKE COIL		
CN5701	QGG2006K1-06	CONNECTOR	(1-6)	
CN5702	QGG2006K1-07	CONNECTOR	(1-7)	
K5710	NQR0499-002X	FERRITE BEADS		
K5720	NQR0499-002X	FERRITE BEADS		

Packing materials and accessories parts list

Block No.M2MM



Packing and accessories

					Block No. [M][2][M][M]
△ Symbol No.	Part No.	Part Name	Description	Local	
1	LP31492-011A	PACKING CASE		300BE	
1	LP31508-005A	PACKING CASE		300BEK	
1	LP31492-008A	PACKING CASE		300SE	
1	LP31492-009A	PACKING CASE		300SEF	
1	LP31508-003A	PACKING CASE		300SEK	
1	LP31492-010A	PACKING CASE		300SER	
1	LP31492-012A	PACKING CASE		400SE	
2	LP31494-001B	CUSHION ASSY			
3	QPC06005515P	POLY BAG	60cm x 55cm		
4	LP31399-003A	SHEET ASSY		300BEK,300SEK	
5	QAM0503-002	RF CABLE			
6	QAM0502-002	PERI CABLE			
7	-----	BATTERY	R6TYPE(x2)		
8	QAL0805-001	LED CABLE ASSY		300BE,300BEK,300SE,300SEF,300SEK,400SE	
9	QPC02202230P	POLY BAG	ACCESSORY		
△ 10	LPT1089-001B	INST.BOOK	(ENGLISH)	300BE,300SE	
△ 10	LPT1089-002B	INST.BOOK	(GERMANY)	300BE,300SE	
△ 10	LPT1089-003B	INST.BOOK	(FRENCH)	300BE,300SE	
△ 10	LPT1089-004B	INST.BOOK	(DUTCH)	300BE,300SE	
△ 10	LPT1089-006A	INST.BOOK	(ITALIAN)	300BE,300SE	
△ 10	LPT1089-005A	INST.BOOK	(SPANISH)	300BE,300SE	
△ 10	LPT1089-007A	INST.BOOK	(DANISH)	300BE,300SE	
△ 10	LPT1089-008A	INST.BOOK	(FINNISH)	300BE,300SE	
△ 10	LPT1089-009A	INST.BOOK	(SWEDISH)	300BE,300SE	
△ 10	LPT1089-010A	INST.BOOK	(NORWEGIAN)	300BE,300SE	
△ 10	LPT1089-011A	INST.BOOK	(PORTUGUESE)	300BE,300SE	
△ 10	LPT1089-012A	INST.BOOK	(CZECH)	300BE,300SE	
△ 10	LPT1089-013A	INST.BOOK	(POLISH)	300BE,300SE	
△ 10	LPT1089-014A	INST.BOOK	(HUNGARIAN)	300BE,300SE	
△ 10	LPT1050-001A	INST.BOOK	(FRENCH)	300SEF	
△ 10	LPT1049-001A	INST.BOOK	(ENGLISH)	300BEK,300SEK	
△ 10	LPT1061-001A	INST.BOOK	(RUSSIAN)	300SER	
△ 10	LPT1068-001A	INST.BOOK	(GERMANY)	400SE	
11	QPC02503530P	POLY BAG	INST		
12	-----	WARRANTY CARD	BT-54027-1		
13	RM-SDR041A	REMOCON UNIT		300SER	
13	RM-SDR033E	REMOCON UNIT		300BE,300BEK,300SE,300SEF,300SEK,400SE	
14	LYT0194-001B	Q.CARD		300BEK,300SEK	